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Reichelt  
Chemietechnik  
GmbH + Co.

# THOMAFLUID®- Handbook I

Analytical Tubing  
Chemical Tubing  
Industrial Tubing  
Tubing for Medical  
Engineering  
Pharmaceutical Tubing

made of elastomers

**Materials:**

- Fluorinated Rubber (FPM)
- Polyolefin
- Silicone Rubber (SI)
- Glass Fabrics
- PVC (Polyvinyl Chloride)
- EVA (Ethylene Vinyl Acetate)
- EPDM/PP Copolymer
- EPDM (Ethylene-Propylene-Diene Rubber)
- PUR (Polyurethane)
- TPEE (Thermoplastic Elastomer)
- LDPE/PVC Compound
- IIR (Isobutylene-Isoprene Rubber)
- NR (Natural Rubber)
- NBR (Butadiene-Acrylonitrile Rubber)

„The high performance specialist“

**Reichelt Chemietechnik**

# INSULATION TECHNOLOGY and HEAT ENGINEERING in ELECTRONICS



**Reichelt  
Chemietechnik  
GmbH + Co.**

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## THOMAFLUID® Thermo-Silicone Tubing Type: THOMATHERM KU-A

### Application areas:

- Electrical all-round insulation of electronic components
- Protection from electrical breakdowns
- Decrease in thermal total transfer resistance to cooling elements or housings
- Power semiconductors and modules in power supplies
- Electronic drives
- Telecommunication modules
- Engine control units
- Frequency converter
- UPS (Uninterruptible Power Supply)

### Product specification:

- Very high thermal conductivity
- Extremely low thermal total transfer resistance
- Very safe all-round insulation
- Very high electrical breakdown strength
- High flexibility
- Clean and quick processing
- Non-combustible according to UL 94 VO

### Technical specification:

- Colour: brown
- Material: silicone
- Filler: thermoconductive ceramic
- Tensile strength: 4.0 MPa
- Tearing strength: 11.8 kN/m
- Volume resistivity:  $3.5 \times 10^{13}$  Ohm x m
- Dielectric constant: 6.2 at 1 kHz
- Thermal conductivity: 2.0 W/mK



33 9619

- Heat transfer resistance: 0.53 (inch<sup>2</sup> x K/W)
- Operating temperature: -60 °C to +200 °C

Cat. No.	Foil thickness mm	Tubing Ø mm	Piece/ package	Price EURO
339619	0.3	7	5	188.00
339620	0.3	7	15	452.00
339621	0.3	10.7	5	252.00
339622	0.3	10.7	15	604.00
3396381	0.3	13.5	5	304.00
3396391	0.3	13.5	15	732.00

Subject to technical and price  
change

The prices in this handbook are  
valid for the currency area of  
the "European Union"!

Please note also our special program INSULATION TECHNOLOGY  
and HEAT ENGINEERING in ELECTRONICS in the handbook  
THOMAPLAST II.

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**Shrinkable tubing made of PTFE and PVDF and tubing made of NBR, CR, SBR, PTFE, TFE, MFA, PFA, FEP, ETFE, PVDF, PEEK, PI, PA, PE, PP, LDPE / EVA as well as high-grade steel see THOMAFLUID®-Handbook II**

**To provide you with the best possible information about the application areas of our products, we take great care to give you a detailed, precise and technically up-to-date description. However, please note that we cannot be held liable for any errors. Any values given are recommendations only that have been tested under normal conditions. We suggest that you test the product under the appropriate conditions determined by your specific use of the application. If you need any help, we will gladly share our experiences with you to give you further assistance**

## TUBING TECHNOLOGY-ELASTOMERS

## THOMAFLUID® FPM Tubing

## THOMAFLUID®-FPM-Chemical Tubing

## Application areas:

- Analytical technology
- Medical engineering
- Laboratory technology
- Chemical industry
- Biotechnology
- Process engineering

## General product specification:

- Extraordinary chemical resistance to hydrocarbons, mineral, vegetable, and animal oils, aromatic and chlorine containing solvents, many acids, alkalis, and oxidizing agents. Unstable to polar solvents and certain lyes.
- Conveying tubing made of high-quality mixed polymers of fluorinated hydrocarbons
- Very good chemical resistance
- Very good heat resistance
- Very good resistance to effects of ozone, oxygen, aging, and weather
- Flame-resistant
- Smooth surface
- Low abrasion
- Highest mechanical strength
- Maximum dimensional stability

## General technical specification:

- Material: FPM (fluorinated rubber)
- Colour: black
- Temperature range: -25 °C to +220 °C, for a short time up to +315 °C; continuous load limit: 40 hours
- Permeability: extremely low, nearly gas-tight
- Dielectric constant: 15 at 50 Hz
- Volume resistivity:  $2 \times 10^{13}$  Ohm x cm
- Abrasion: 190 mm<sup>3</sup>
- Compression set: 10% (24 hours at +100 °C)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Flammability rating: UL 94-V0

## THOMAFLUID® FPM Micro-Spaghetti Chemical Tubing

## Type: THOMACHEM® Accurate Flow

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
40652	1.50	3.00	0.75	3	133.00
40653	1.50	3.00	0.75	5	200.00
40654	1.50	3.00	0.75	10	305.00
28831	1.60	3.10	0.75	3	133.00
28832	1.60	3.10	0.75	5	200.00
28833	1.60	3.10	0.75	10	305.00
40655	1.80	3.20	0.70	3	113.00
40905	1.80	3.20	0.70	5	169.00
40906	1.80	3.20	0.70	10	261.00
40907	2.00	3.00	0.50	3	215.00



28 813



40 652

40908	2.00	3.00	0.50	5	323.00
40909	2.00	3.00	0.50	10	443.00
28834	2.20	2.70	0.25	3	185.00
28835	2.20	2.70	0.25	5	277.00
28836	2.20	2.70	0.25	10	394.00
40910	2.20	3.70	0.75	3	144.00
40911	2.20	3.70	0.75	5	215.00
40912	2.20	3.70	0.75	10	330.00
28837	2.50	4.00	0.75	3	144.00
28838	2.50	4.00	0.75	5	215.00
28839	2.50	4.00	0.75	10	330.00

## THOMAFLUID® FPM Micro-Spaghetti Chemical Tubing

## Type: THOMACHEM® Accurate Flow

## Technical specification:

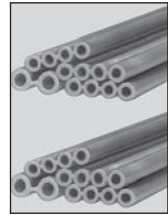
- Material: FPM (fluorinated rubber)
- Shore hardness A: 64° ± 3°
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
28813	0.50	1.00	0.25	3	159.00
28814	0.50	1.00	0.25	5	238.00
28815	0.50	1.00	0.25	10	366.00
28819	0.80	2.00	0.60	3	116.00
28820	0.80	2.00	0.60	5	174.00
28821	0.80	2.00	0.60	10	264.00
28822	1.00	1.50	0.25	3	121.00
28823	1.00	1.50	0.25	5	162.00
28824	1.00	1.50	0.25	10	238.00
28825	1.00	1.80	0.40	3	126.00
28826	1.00	1.80	0.40	5	192.00
28827	1.00	1.80	0.40	10	289.00

## THOMAFLUID® FPM Multi-Lumen



28 843



28 846

## Micro-Spaghetti Chemical Tubing

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	No. of lumens	Length m	Price EURO
28843	1.50	2.50	0.50	4	1	141.00
28844	1.50	2.50	0.50	4	2	225.00
28845	1.50	2.50	0.50	4	3	310.00
28846	2.20	3.75	0.78	2	1	126.00
28847	2.20	3.75	0.78	2	2	202.00
28848	2.20	3.75	0.78	2	3	277.00

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® FPM High-Tech Pump Tubing Fitted with Two Stoppers Type: THOMAFLUOR FKM

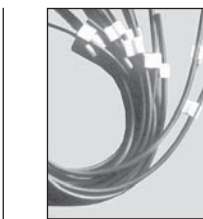
#### Product specification:

- Fitted with two involved stoppers each for mounting in tubing cassettes; colour-coded for clearly organized use.

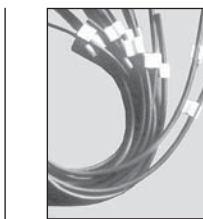
#### Technical specification:

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $64^\circ \pm 3^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
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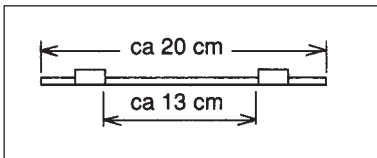


43 787



43 787

43787	0.508	3.008	1.25	orange/yellow	6	207.00
43788	0.635	3.135	1.25	orange/white	6	207.00
43789	0.762	3.262	1.25	black/black	6	207.00
43790	0.889	3.389	1.25	orange	6	207.00
43791	1.016	3.016	1.00	white	6	207.00
43792	1.143	3.143	1.00	red	6	207.00
43793	1.295	3.295	1.00	grey	6	207.00
43794	1.422	3.422	1.00	yellow	6	207.00
43795	1.524	4.524	1.50	yellow/blue	6	207.00
43796	1.650	4.650	1.50	blue	6	207.00
43797	1.854	4.854	1.50	green	6	207.00



43 787

### THOMAFLUID® FPM High-Tech Pump Tubing Fitted with Three Stoppers Type: THOMAFLUOR FKM

#### Product specification:

- For peristaltic pumps with mini tubing cassettes.
- Fitted with three involved stoppers each for mounting in mini tubing cassettes, double operating time due to twofold usability of the tubing; colour-coded for clearly organized use.

- Application-oriented, precision adjusted inside diameter from 0.508 to 2.794 mm; total length: 40 cm; distance between stoppers: approx. 8 cm; distance between the two outer stoppers: approx. 17 cm.

#### Technical specification:

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $64^\circ \pm 3^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

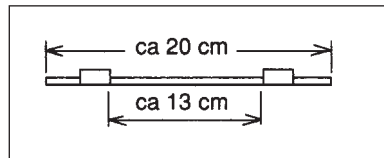
Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43802	0.508	3.008	1.25	orange/yellow	6	333.00
43803	0.635	3.135	1.25	orange/white	6	333.00
43804	0.762	3.262	1.25	black/black	6	333.00
43805	0.889	3.389	1.25	orange	6	333.00
43806	1.016	3.016	1.00	white	6	333.00
43807	1.143	3.143	1.00	red	6	333.00
43808	1.295	3.295	1.00	grey	6	333.00
43809	1.422	3.422	1.00	yellow	6	333.00
43810	1.524	4.524	1.50	yellow/blue	6	333.00
43811	1.650	4.650	1.50	blue	6	333.00
43812	1.854	4.854	1.50	green	6	333.00
43813	2.057	5.057	1.50	violet	6	333.00
43814	2.286	5.286	1.50	violet/black	6	333.00
43815	2.540	5.540	1.50	violet/orange	6	333.00
43816	2.794	5.794	1.50	violet/white	6	333.00

### THOMAFLUID® FPM Chemical Tubing "High Flexible" Type: THOMAFLUOR FKM

#### Technical specification:

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $60^\circ \pm 5^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
14774	1.0	3.0	1.0	5	74.00
14775	1.0	3.0	1.0	10	130.00



43 787

14776	1.5	3.0	0.75	5	70.00
14777	1.5	3.0	0.75	10	124.00
14778	2.0	4.0	1.0	5	93.00
14779	2.0	4.0	1.0	10	166.00
14780	3.0	5.0	1.0	5	121.00
14781	3.0	5.0	1.0	10	215.00
14782	4.0	6.0	1.0	5	127.00
14783	4.0	6.0	1.0	10	222.00
14784	4.0	8.0	2.0	1	61.00
14785	4.0	8.0	2.0	5	258.00
14786	5.0	8.0	1.5	1	58.00
14787	5.0	8.0	1.5	5	252.00
14788	5.0	10.0	2.5	1	76.00
14789	5.0	10.0	2.5	5	316.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® FPM Chemical Tubing**  
**"High Flexible"**  
**Type: THOMAFLUOR FKM**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
14790	6.0	9.0	1.5	1	61.00
14791	6.0	9.0	1.5	5	258.00
14792	6.0	10.0	2.0	1	69.00
14793	6.0	10.0	2.0	5	298.00
14794	6.0	12.0	3.0	1	85.00
14795	6.0	12.0	3.0	5	335.00
14796	7.0	10.0	1.5	1	68.00
14797	7.0	10.0	1.5	5	288.00
14798	8.0	11.0	1.5	1	71.00
14799	8.0	11.0	1.5	5	304.00
14800	8.0	12.0	2.0	1	86.00
14801	8.0	12.0	2.0	5	372.00
14802	10.0	14.0	2.0	1	96.00
14803	10.0	14.0	2.0	5	405.00
14804	12.0	17.0	2.5	1	112.00
14805	12.0	17.0	2.5	5	437.00

**THOMAFLUID® FPM Special Pump**  
**Tubing**  
**Type: Masterflex®**
**Technical specification:**

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $64^\circ \pm 3^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
971431	0.8	4.0	1	43.00
971432	0.8	4.0	7.5	225.00
971441	1.6	4.8	1	71.00
971442	1.6	4.8	7.5	266.00
971451	4.8	9.6	1	139.00
971452	4.8	9.6	7.5	420.00
971461	3.2	6.4	1	81.00
971462	3.2	6.4	7.5	277.00
971471	6.4	9.6	1	130.00
971472	6.4	9.6	7.5	343.00
971481	8.0	11.2	1	134.00
971482	8.0	11.2	7.5	379.00

**THOMAFLUID® FPM High-Tech Chemical**  
**Tubing**  
**Type: ORON F 550**
**Technical specification:**

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $65^\circ \pm 3^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
45190	1.6	3.2	0.8	1	87.00
45191	1.6	3.2	0.8	3	184.00
45192	1.6	3.2	0.8	5	260.00
45193	3.2	6.4	1.6	1	149.00
45194	3.2	6.4	1.6	3	298.00

**THOMAFLUID® FPM High-Tech Chemical**  
**Tubing**  
**Type: ORON F 550**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
45195	3.2	6.4	1.6	5	386.00
45196	6.4	9.6	1.6	1	169.00
45197	6.4	9.6	1.6	3	338.00
45198	6.4	9.6	1.6	5	444.00
45199	8.0	11.1	1.6	1	179.00
45200	8.0	11.1	1.6	3	362.00
45201	8.0	11.1	1.6	5	457.00
45202	9.5	12.7	1.6	1	195.00
45203	9.5	12.7	1.6	3	390.00
45204	9.5	12.7	1.6	5	506.00



14 193



45 190

**THOMAFLUID® FPM Chemical Tubing**  
**"Standard Flexible"**  
**Type: THOMAFLUOR FKM**
**Technical specification:**

- Material: FPM (fluorinated rubber)
- Shore hardness A:  $75^\circ \pm 3^\circ$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
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97 1431



92 145

92145	1.0	3.0	1.0	3	74.00
92146	1.0	3.0	1.0	9	171.00
92147	2.0	4.0	1.0	3	78.00
92148	2.0	4.0	1.0	9	194.00
92149	3.0	5.0	1.0	3	79.00
92150	3.0	5.0	1.0	9	197.00
92151	3.0	6.0	1.5	3	98.00
92152	3.0	6.0	1.5	9	243.00
92155	4.0	6.0	1.0	3	78.00
92156	4.0	6.0	1.0	9	185.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® FPM Chemical Tubing**  
**"Standard Flexible"**  
**Type: THOMAFLUOR FKM**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
92157	4.0	7.0	1.5	3	116.00
92158	4.0	7.0	1.5	9	293.00
92159	4.0	8.0	2.0	3	150.00
92160	4.0	8.0	2.0	9	387.00
92163	5.0	7.0	1.0	3	88.00
92164	5.0	7.0	1.0	9	217.00
92165	5.0	8.0	1.5	3	124.00
92166	5.0	8.0	1.5	9	284.00
92167	5.0	9.0	2.0	3	129.00
92168	5.0	9.0	2.0	9	370.00
92169	6.0	8.0	1.0	3	108.00
92170	6.0	8.0	1.0	9	230.00
92171	6.0	9.0	1.5	3	136.00
92172	6.0	9.0	1.5	9	320.00
92173	6.0	10.0	2.0	1	68.00
92174	6.0	10.0	2.0	3	166.00
14843	6.0	12.0	3.0	1	90.00
14844	6.0	12.0	3.0	3	224.00
92175	7.0	9.0	1.0	1	68.00
92176	7.0	9.0	1.0	3	166.00
92177	7.0	10.0	1.5	1	76.00
92178	7.0	10.0	1.5	3	187.00
92179	7.0	11.0	2.0	1	88.00
92180	7.0	11.0	2.0	3	216.00
92181	8.0	10.0	1.0	1	71.00
92182	8.0	10.0	1.0	3	175.00
92183	8.0	11.0	1.5	1	71.00
92184	8.0	11.0	1.5	3	186.00
92185	8.0	12.0	2.0	1	83.00
92186	8.0	12.0	2.0	3	212.00
92187	8.0	14.0	3.0	1	130.00
92188	8.0	14.0	3.0	3	311.00
92189	9.0	13.0	2.0	1	93.00
92190	9.0	13.0	2.0	3	223.00
92191	9.0	15.0	3.0	1	142.00
92192	9.0	15.0	3.0	3	339.00
92193	10.0	13.0	1.5	1	86.00
92194	10.0	13.0	1.5	3	206.00
92195	10.0	14.0	2.0	1	90.00
92196	10.0	14.0	2.0	3	216.00
92197	10.0	15.0	2.5	1	122.00
92198	10.0	15.0	2.5	3	293.00
92199	10.0	16.0	3.0	1	124.00
92200	10.0	16.0	3.0	3	323.00
92201	10.0	18.0	4.0	1	211.00
92202	10.0	18.0	4.0	3	506.00
92203	11.0	14.0	1.5	1	75.00
92204	11.0	14.0	1.5	3	188.00
92205	12.0	14.0	1.0	1	65.00
92206	12.0	14.0	1.0	3	171.00
14845	12.0	16.0	2.0	1	90.00
14846	12.0	16.0	2.0	3	224.00
14847	12.0	17.0	2.5	1	165.00
14848	12.0	17.0	2.5	3	407.00
92207	12.0	18.0	3.0	1	175.00
92208	12.0	18.0	3.0	3	418.00
92209	12.0	20.0	4.0	1	226.00
92210	12.0	20.0	4.0	3	542.00
92211	12.0	22.0	5.0	1	355.00
92212	12.0	22.0	5.0	3	851.00
92213	13.0	15.0	1.0	1	86.00
92214	13.0	15.0	1.0	3	221.00
92215	13.0	17.0	2.0	1	131.00

**THOMAFLUID® FPM Chemical Tubing**  
**"Standard Flexible"**  
**Type: THOMAFLUOR FKM**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
92216	13.0	17.0	2.0	3	314.00
92217	13.0	19.0	3.0	1	201.00
92218	13.0	19.0	3.0	3	481.00
92219	14.0	16.0	1.0	1	102.00
92220	14.0	16.0	1.0	3	244.00
92221	14.0	18.0	2.0	1	145.00
92222	14.0	18.0	2.0	3	346.00
92227	15.0	18.0	1.5	1	99.00



92156



92216

92228	15.0	18.0	1.5	3	245.00
92229	15.0	19.0	2.0	1	148.00
92230	15.0	19.0	2.0	3	354.00
92231	15.0	21.0	3.0	1	226.00
92232	15.0	21.0	3.0	3	542.00
92233	15.0	22.0	3.5	1	271.00
92234	15.0	22.0	3.5	3	651.00
14849	18.0	22.0	2.0	1	269.00
14850	18.0	22.0	2.0	3	694.00
92237	19.0	25.0	3.0	1	315.00
92238	19.0	25.0	3.0	3	756.00
92241	20.0	24.0	2.0	1	184.00
92242	20.0	24.0	2.0	3	439.00
92255	25.0	33.0	4.0	1	485.00
92256	25.0	33.0	4.0	3	1160.00
92267	35.0	39.0	2.0	1	376.00
92268	35.0	39.0	2.0	3	902.00

**THOMAFLUID® FPM Double-Wall Jacket**  
**Chemical Tubing**  
**Type: THOMAFLUOR CHAP 515**
**Application areas:**

- Chemical industry
- Mineral oil industry
- Pharmaceutical industry
- Process engineering

**Product specification:**

- Pressure tubing
- Liner:
  - Very good resistance to chemicals
  - Very good heat resistance (operating temperatures)
  - Very high chemical resistance
  - Very good resistance to ozone, oxygen, aging, and weather
  - Good flame resistance

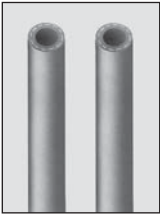


## TUBING TECHNOLOGY-ELASTOMERS

**Technical specification:**

- Liner: FKM (fluorinated rubber)
- Jacket: CSM (chlorosulfonated polyethylene rubber)
- Colour: black
- Temperature range: -20 °C to +150 °C
- Max. operating pressure: 10 bar at +20 °C
- Inserts: polyester fabric with 2 copper braids, crossed
- Design: smooth (inside and outside)

Cat. No.	I. D.	O. D.	Bursting pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
42164	6	15	80	100	1	100.00
42165	6	15	80	100	3	243.00
42166	8	16	80	120	1	116.00



42 164



42 164

42167	8	16	80	120	3	274.00
42168	10	18	60	150	1	131.00
42169	10	18	60	150	3	305.00
42170	13	21	50	180	1	146.00
42171	13	21	50	180	3	346.00
42172	16	25	40	200	1	182.00
42173	16	25	40	200	3	310.00
42174	19	28	40	240	1	151.00
42175	19	28	40	240	3	356.00

<sup>1</sup> at +20 °C

### THOMAFLUID® FPM High-Chem Industrial Tubing with Steel Wire Braiding Type: THOMAPLAST® DIGK Special Compound

**Application areas:**

- Chemical industry
- Mineral oil industry
- Pharmaceutical industry
- Process engineering

**Product specification:**

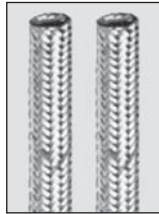
- Pressure tubing with steel wire braiding
- Extraordinary chemical resistance
- Best temperature resistance
- Very good resistance to ozone and oxygen
- High resistance to aging and weather
- Smooth surface
- High mechanical stability

**Technical specification:**

- Material: FPM/FKM (fluorinated rubber)
- Colour: black
- Shore hardness A: 75° ± 5° (DIN 53505)

- Temperature range: -25 °C to +180 °C
- Insert: zinc-plated steel wire braiding (jacket)

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
330113	6.0	9.5	6	50	1	76.00
330114	6.0	9.5	6	50	5	324.00
330115	6.0	9.5	6	50	15	804.00
330116	9.0	14.0	8	60	1	104.00
330117	9.0	14.0	8	60	5	444.00
330118	9.0	14.0	8	60	15	1112.00
330119	13.0	17.5	8	70	1	140.00
330120	13.0	17.5	8	70	5	598.00



33 0113



33 0113

330121	13.0	17.5	8	70	15	1496.00
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<sup>1</sup> at +150 °C

### THOMAFLUID® FPM Double-Wall Jacket Chemical Tubing Type: THOMAFLUOR CHAP 516

**Application areas:**

- Chemical industry
- Pharmaceutical industry
- Mineral oil industry
- Process engineering

**Product specification:**

- Suction and pressure tubing

## • Liner:

- Very good chemical resistance
- Very good heat resistance (operating temperature)
- Very good resistance to ozone, oxygen, aging, and weather
- Good flame resistance

## • Jacket:

- Good elasticity
- Good abrasion resistance
- Good resistance to ozone, aging, and weather
- Good heat resistance

**Technical specification:**

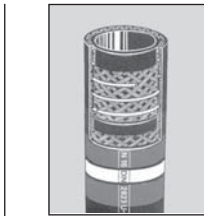
- Liner: FPM (fluorinated rubber)
- Jacket: CR (chloroprene rubber)
- Colour: black
- Temperature range: -10 °C to +130 °C (depending on medium)

## TUBING TECHNOLOGY-ELASTOMERS

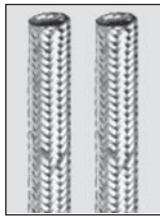
- Inserts: polyester and polyamide braiddings + 1 steel wire coil + 2 copper braids
- Design: smooth (inside and outside)

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Vacuum strength <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	%	mm	m	Euro
42156	25	37	10	60	180	1	279.00
42157	25	37	10	60	180	3	727.00
42158	32	44	10	60	250	1	325.00
42159	32	44	10	60	250	3	839.00
42162	50	64	10	50	400	1	458.00
42163	50	64	10	50	400	3	1194.00

<sup>1</sup> at +20 °C



42 156



33 9536

## THOMASAFE Shrinkable Tubing made of Polyolefin – Dispenser – Type: DKA DE FR

### Application areas:

- Kink protection of cables and lines
- Protection from environmental influences
- Insulation of cable harnesses

### Product specification:

- High electrical breakdown strength
- Self-extinguishing
- Heat shock resistance (4 h at +220 °C)

### Technical specification:

- Material: radiation cross-linked polyolefin
- Longitudinal shrinkage: -15 %
- Elongation at break: min. 200 %
- Electrical resistance: min. 10<sup>12</sup> Ohm x cm
- Operating voltage: 600 V
- Breakdown strength: min. 19.7 kV
- Breakdown voltage: at 2.5 kV for 1 min no breakdown
- Special features: 339410-339422 flexible; 339423-339427 with inside hot-melt adhesive coating

Cat. No.	I. D.	O. D.	Shrinkage temperature	Shrinking rate	Tempera- ture	Standard	Colour	Length	Price
	mm	mm	°C	%	range °C			m	EURO
339536	1.2	90	2:1	-55/+125	MIL	black	10	32.00	
339537	1.6	90	2:1	-55/+125	MIL	black	10	32.00	
339538	2.4	90	2:1	-55/+125	MIL	black	10	32.00	
339539	3.2	90	2:1	-55/+125	MIL	black	10	32.00	

## THOMASAFE Shrinkable Tubing made of Polyolefin – Dispenser – Type: DKA DE FR

Cat. No.	I. D.	Shrinkage temperature	Shrinking rate	Tempera- ture	Standard	Colour	Length	Price
	mm	°C	%	range °C			m	EURO
339540	4.0	90	2:1	-55/+125	MIL	black	10	32.00
339541	4.8	90	2:1	-55/+125	MIL	black	9	32.00
339542	6.4	90	2:1	-55/+125	MIL	black	8	32.00
339543	8.0	90	2:1	-55/+125	MIL	black	7	32.00
339544	9.5	90	2:1	-55/+125	MIL	black	6	32.00
339545	12.7	90	2:1	-55/+125	MIL	black	6	32.00
339546	16.0	90	2:1	-55/+125	MIL	black	5	32.00
339547	19.1	90	2:1	-55/+125	MIL	black	5	32.00
339548	25.4	90	2:1	-55/+125	MIL	black	3	32.00
339549	3.0	120	3:1	-55/+105	MIL/UL	black	5	52.00
339550	4.5	120	3:1	-55/+105	MIL/UL	black	4	52.00
339551	6.0	120	3:1	-55/+105	MIL/UL	black	3.5	52.00
339552	9.0	120	3:1	-55/+105	MIL/UL	black	3	52.00
339553	12.0	120	3:1	-55/+105	MIL/UL	black	2.5	52.00
339554	3.2	90	2:1	-55/+135	MIL/UL	yellow/green	5	44.00
339555	4.8	90	2:1	-55/+135	MIL/UL	yellow/green	5	44.00
339556	6.4	90	2:1	-55/+135	MIL/UL	yellow/green	3.5	44.00
339557	9.5	90	2:1	-55/+135	MIL/UL	yellow/green	3	44.00
339558	12.7	90	2:1	-55/+135	MIL/UL	yellow/green	3	44.00
339559	19.1	90	2:1	-55/+135	MIL/UL	yellow/green	2	44.00
339560	25.4	90	2:1	-55/+135	MIL/UL	yellow/green	1.5	44.00

## THOMAFLUID® Silicone Tubing

## THOMAFLUID® Silicone Special Pump Tubing Fitted with Two Stoppers Type: THOMACHEM TEC 1160 "platinum-catalyzed"

### Application area:

For peristaltic pumps with tubing cassettes.

### Product specification:

- Fitted with two involved stoppers each for mounting in tubing cassettes; colour-coded for clearly organized use.
- Application-oriented, precision adjusted inside diameters from 0.64 to 3.00 mm; total length: 40 cm; distance between stoppers: approx. 15 cm.

### Technical specification:

- Material: made of platinum-catalyzed silicone
- Colour: translucent
- Shore hardness A: 50° ± 3° (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D.	O. D.	Wall thickness	Colour code	Piece/ package	Price
	mm	mm	mm			EURO
43758	0.64	2.44	0.90	orange/white	3	102.00
43759	0.76	2.36	0.80	black	3	102.00
43760	0.89	2.69	0.90	orange	3	102.00
43761	1.02	2.82	0.90	white	3	102.00
43762	1.14	2.94	0.90	red	3	102.00
43763	1.30	3.10	0.90	grey	3	102.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Special Pump Tubing Fitted with Two Stoppers**  
**Type: THOMACHEM TEC 1160 "platinum-catalyzed"**

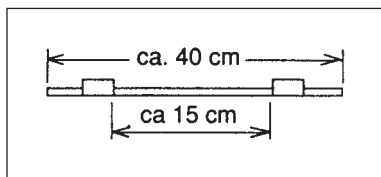
Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43764	1.42	3.12	0.85	yellow	3	102.00
43765	1.52	3.22	0.85	yellow/blue	3	102.00
43766	1.65	3.45	0.90	blue	3	102.00
43767	1.85	3.65	0.90	green	3	102.00
43768	2.06	3.86	0.90	violet	3	102.00
43769	2.29	3.99	0.85	violet/black	3	102.00
43770	2.54	4.34	0.90	violet/orange	3	102.00
43771	2.79	4.49	0.85	violet/white	3	102.00



43 758



43 765



43 765

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43772	3.00	4.80	0.90	green/white	3	102.00

**THOMAFLUID® Silicone Special Pump Tubing Fitted with Three Stoppers**  
**Type: THOMACHEM TEC 7624**
**Application area:**

For peristaltic pumps with mini tubing cassettes.

**Product specification:**

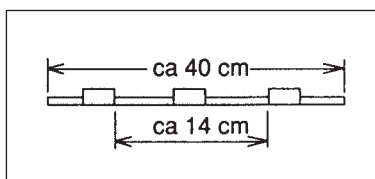
- Fitted with three involved stoppers each for mounting in mini tubing cassettes, double operating time due to twofold usability of the tubing; colour-coded for clearly organized use.
- Application-oriented, precision adjusted inside diameters from 0.64 to 2.79 mm; total length: 40 cm; distance between stoppers: approx. 6 cm; distance between the two outer stoppers: approx. 14 cm.

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: translucent
- Shore hardness A: 60° ± 3° (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

**THOMAFLUID® Silicone Special Pump Tubing Fitted with Three Stoppers**  
**Type: THOMACHEM TEC 7624**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43773	0.64	2.44	0.90	orange/white	3	117.00
43774	0.76	2.36	0.80	black	3	117.00
43775	0.89	2.69	0.90	orange	3	117.00
43776	1.02	2.82	0.90	white	3	117.00
43777	1.14	2.94	0.90	red	3	117.00
43778	1.30	3.10	0.90	grey	3	117.00
43779	1.42	3.12	0.85	yellow	3	117.00
43780	1.52	3.22	0.85	yellow/blue	3	117.00
43781	1.65	3.45	0.90	blue	3	117.00

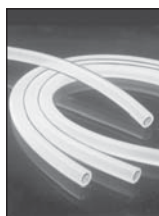


43 773

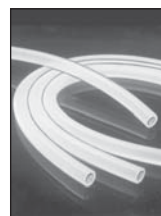
Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43782	1.85	3.65	0.90	green	3	117.00
43783	2.06	3.86	0.90	violet	3	117.00
43784	2.29	3.99	0.85	violet/black	3	117.00
43785	2.54	4.34	0.90	violet/orange	3	117.00
43786	2.79	4.49	0.85	violet/white	3	117.00

**THOMAFLUID® Silicone Special Pump Tubing**  
**Type: Masterflex®**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
971331	0.8	4.0	1	32.00



97 1331



97 1331

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
971332	0.8	4.0	15	193.00
971341	1.6	4.8	1	36.00
971342	1.6	4.8	15	212.00
971351	4.8	9.6	1	46.00
971352	4.8	9.6	15	285.00
971361	3.2	6.4	1	46.00
971362	3.2	6.4	15	247.00
971371	6.4	9.6	1	46.00
971372	6.4	9.6	15	257.00
971381	8.0	11.2	1	64.00
971382	8.0	11.2	15	361.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Med Silicone Peristaltic Pump Tubing**  
**Type: High-Med AC 3 - Tear- and Tension-Proof**
**Application areas:**

- Analytical technology
- Medical engineering
- Biotechnology
- Process engineering

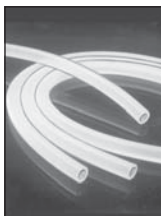
**Product specification:**

- Silicone peristaltic pump tubings are extruded from an especially high-grade silicone elastomer and are vulcanized. The cured goods do not contain any extractable constituents, they are completely odourless and tasteless, physiologically inert, and absolutely well tolerated by the body. The formulation meets the regulations of FDA § 177.2600, USP 20/21, BfR XV.
- Resistance to most organic solvents.

**Technical specification:**

- Material: SI (silicone rubber)
- Material class: medical engineering and food processing technology
- Colour: translucent
- Shore hardness A: 50°
- Temperature range: -55 °C to +220 °C
- Autoclavable: at +136 °C
- Drying sterilization: yes
- Density: 1.13 g/cm<sup>3</sup>
- Elongation at break: 600 %
- Tear resistance: 37 kN/m
- Tensile strength: 10 MPa
- Regulations: FDA § 177.2600, USP 20/21, BfR XV

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
11446	0.5	1.0	0.25	10	123.00
11447	0.5	1.5	0.5	10	137.00
11448	0.5	3.7	1.6	10	196.00
11449	0.8	4.0	1.6	10	211.00
11450	1.0	2.0	0.5	10	159.00
11451	1.0	3.0	1.0	10	127.00
11452	1.0	5.0	2.0	10	228.00



11 446



11 446

11453	1.5	2.5	0.5	10	151.00
11454	1.5	3.5	1.0	10	158.00
11455	1.6	4.8	1.6	10	187.00
11456	2.0	3.0	0.5	10	174.00
11457	2.0	4.0	1.0	10	181.00
11458	2.0	4.5	1.25	10	183.00
11459	2.5	3.5	0.5	10	184.00
11460	2.5	4.5	1.0	10	184.00
11461	3.2	4.8	0.8	10	186.00
11462	3.2	5.2	1.0	10	189.00
11463	3.2	6.4	1.6	10	257.00

**THOMAFLUID® High-Med Silicone Peristaltic Pump Tubing**  
**Type: High-Med AC 3 - Tear- and Tension-Proof**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
11464	3.2	7.2	2.0	10	279.00
11465	3.2	9.6	3.2	10	444.00
11466	4.0	6.0	1.0	10	265.00
11467	4.0	7.2	1.6	10	266.00
11468	4.0	8.0	2.0	10	294.00
11469	4.5	7.7	1.6	10	279.00
11470	4.8	8.0	1.6	10	281.00
11471	4.8	9.6	2.4	10	365.00
11472	5.0	7.0	1.0	10	268.00
11473	5.0	8.2	1.6	10	278.00
11474	5.0	11.4	3.2	10	470.00
11475	5.5	8.7	1.6	10	308.00
11476	5.5	10.5	2.5	10	401.00
11477	6.0	9.5	1.75	10	342.00
11478	6.0	10.0	2.0	10	344.00
11479	6.0	14.0	4.0	10	462.00
11480	6.3	9.5	1.6	10	331.00
11481	6.3	11.3	2.5	10	381.00
11482	6.3	12.7	3.2	10	402.00
11483	7.5	10.7	1.6	10	383.00
11484	8.0	11.2	1.6	10	397.00
11485	8.0	12.0	2.0	10	405.00
11486	8.0	14.4	3.2	5	283.00
11487	8.0	16.0	4.0	5	298.00
11488	8.0	18.0	5.0	5	377.00
11489	8.5	12.5	2.0	5	248.00
11490	8.5	14.9	3.2	5	334.00
11491	8.5	16.5	4.0	5	376.00
11492	9.0	14.0	2.5	5	249.00
11493	9.0	15.4	3.2	5	262.00
11494	9.0	17.0	4.0	5	323.00
11495	9.5	15.9	3.2	5	264.00
11496	10.0	14.0	2.0	5	247.00
11497	10.0	16.4	3.2	5	251.00
11498	12.7	19.1	3.2	5	264.00
11499	12.7	20.7	4.0	5	340.00
11500	16.0	22.4	3.2	5	351.00
11501	19.0	25.4	3.2	5	385.00
11502	19.0	28.6	4.8	5	597.00
11503	25.4	29.4	2.0	5	426.00
11504	25.4	31.8	3.2	5	636.00
11505	24.4	35.0	4.8	5	994.00

**THOMAFLUID® High-Pharm Silicone Peristaltic Pump Tubing**  
**Type: THOMACHEM High-Tech SIT**
**Product specification:**

- Outstanding elastic behaviour
- Excellent resistance to hot air and heat
- Very good resistance to ozone, aging, and weather
- Very good dielectric properties
- Very good physiological properties
- Antiadhesive surface
- High permeability to gas
- Good chemical resistance to synthetic, animal and vegetable oils, glycols, and certain solvents

## TUBING TECHNOLOGY-ELASTOMERS

- Extruded from an especially high-grade silicone elastomer and vulcanized
- Cured goods do not contain any extractable constituents
- Completely odourless and tasteless, physiologically inert, and absolutely well tolerated by the body
- Produced according to regulations BfR XV, FDA § 177.2600, and DAB X

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: transparent
- Shore hardness A: 55° ± 5°
- Temperature range: up to +200 °C, for a short period +250 °C
- Hot sterilization: up to +250 °C
- Steam sterilization: up to 3.8 bar
- Behaviour under pressure: depending on cross section and wall thickness up to an application of 6 bar
- Behaviour in vacuum: depending on cross section and wall thickness up to an application of 20 Torr.
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
49828	0,8	4,0	1,6	5	44,00
49829	0,8	4,0	1,6	15	121,00
13785	1,6	3,2	0,8	5	100,00
13786	1,6	3,2	0,8	10	185,00
49830	1,6	4,8	1,6	5	46,00
49831	1,6	4,8	1,6	15	126,00
49832	3,2	6,4	1,6	5	62,00
49833	3,2	6,4	1,6	15	174,00
49834	4,8	8,0	1,6	5	75,00
49835	4,8	8,0	1,6	15	215,00
13787	4,8	9,6	2,4	5	100,00
13788	4,8	9,6	2,4	10	185,00
13789	4,8	11,2	3,2	5	167,00
13790	4,8	11,2	3,2	10	310,00
49836	6,4	9,6	1,6	5	95,00
49837	6,4	9,6	1,6	15	269,00
13791	6,4	11,2	2,4	5	113,00
13792	6,4	11,2	2,4	10	210,00
13793	6,4	12,8	3,2	5	149,00
13794	6,4	12,8	3,2	10	277,00
49838	8,0	11,2	1,6	5	126,00
49839	8,0	11,2	1,6	10	233,00
498950	8,0	12,8	2,4	5	128,00
498960	8,0	12,8	2,4	10	236,00
498970	9,6	12,8	1,6	5	131,00
498980	9,6	12,8	1,6	10	243,00
13799	9,6	14,4	2,4	5	146,00
13800	9,6	14,4	2,4	10	266,00
13801	9,6	16,0	3,2	5	179,00
13802	9,6	16,0	3,2	10	333,00
13803	12,7	17,5	2,4	5	167,00
13804	12,7	17,5	2,4	10	310,00
13805	12,7	19,1	3,2	5	192,00
13806	12,7	19,1	3,2	10	361,00
13807	15,9	22,3	3,2	5	220,00
13808	15,9	22,3	3,2	10	407,00
13809	19,0	25,4	3,2	5	248,00
13810	19,0	25,4	3,2	10	463,00
13811	19,0	28,6	4,8	5	369,00
13812	19,0	28,6	4,8	10	683,00
13813	25,4	35,0	4,8	5	458,00
13814	25,4	35,0	4,8	10	849,00

## THOMAFLUID® GMP High-Med Silicone Tubing for Medical Engineering

### Type: High-Med AC 2 – Ultrapure –

**Application areas:**

- Medicine
- Laboratory technology
- Aerospace technology
- Surgery
- Pharmacy

**Product specification:**

- Only high-grade platinum-catalyzed (addition cross-linked) silicone is used for production. Consequently, the product is "peroxide free"
- Quality assurance according to ISO 9002/EN 29002
- Excellent elasticity



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- Thermosensitive, immediately adapting to body temperature without decrease in lumen size
- Very good physiological properties, biocompatible
- Non-toxic, free from pyrogenes, and compatible with blood (tolerated by blood)
- Medically pure
- Antiadhesive (repulsive) surface properties
- The nature of surface reduces the risk of damage to tissues and blood cells

**Technical specification:**

- Material: platinum cross-linked silicone
- Colour: translucent
- Shore hardness A: 65° +/-5
- Temperature range: -60 °C to +220 °C
- Density: 1.18 g/cm<sup>3</sup>
- Autoclavable: at +136 °C
- Drying sterilization: yes
- Elongation to break: 500 %
- Tear resistance: 30 kN/m
- Tensile strength: 8 MPa
- Regulations: in accordance with FDA § 177.2600, USP XXIII Cass VI, BFR XV, and the European Pharmacopeia 3.1.9

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
11425	1,0	3,0	1,0	10	128,00
11426	1,5	3,5	1,0	10	186,00
11427	2,0	4,0	1,0	10	160,00
11428	3,0	5,0	1,0	10	176,00
11429	3,2	4,8	0,8	10	208,00
11430	3,2	6,4	1,6	10	364,00
339753	3,0	7,0	2,0	10	339,00
11431	4,0	6,0	1,0	10	208,00
11433	4,8	8,0	1,6	10	256,00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® GMP High-Med Silicone Tubing for Medical Engineering**  
**Type: High-Med AC 2 – Ultrapure –**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
339754	4.0	8.0	2.0	5	216.00
339755	4.0	12.0	3.0	5	386.00
339756	5.0	8.0	1.5	5	176.00
339757	6.0	9.0	2.0	5	192.00
11435	6.0	10.0	1.5	5	264.00
339758	6.0	12.0	3.0	5	440.00
11436	6.4	9.6	1.6	5	288.00
11438	6.3	12.7	3.2	5	387.00
339759	7.0	10.0	1.5	5	224.00
11440	8.0	12.0	2.0	5	320.00
11443	10.0	14.0	2.0	5	368.00
339760	12.0	16.0	2.0	5	440.00
339761	15.0	21.0	3.0	5	570.00
339762	18.0	24.0	3.0	5	580.00
339763	20.0	26.0	3.0	5	650.00

**THOMAFLUID® High-Med Silicone Tubing for Medical Engineering**  
**Type: Special Compound MQV SIT**
**Application areas:**

- Medical engineering
- Hospital technology
- Sterile technology
- Hygiene technology

**Products specification:**

- Conveying tubing
- Excellent resistance to heat and hot air
- Highest flexibility in cold
- Very good resistance to ozone, aging, and weather
- Antiadhesive (repulsive) surface properties
- Excellent elasticity
- Very good physiological properties, biocompatible
- The nature of surface reduces the risk of damage to tissues and blood cells
- Non-toxic, free from pyrogens, and compatible with blood (tolerated by blood)
- Medically pure
- Thermosensitive, immediately adapting to body temperature without decrease in lumen size
- High flexibility

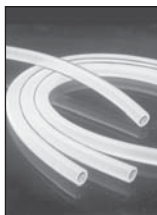
**Technical specification:**

- Material: silicone rubber special compound MQV
- Colour: translucent
- Shore hardness A: 55° ± 5°
- Temperature range: -60 °C to +220 °C
- Density: 1.17 g/cm<sup>3</sup>
- Autoclavable: at +135 °C
- Drying sterilization: yes
- Tensile strength: 10.5 N/mm<sup>2</sup>
- Tear propagation resistance: 32 N/mm
- Elongation at break: 500 %
- Regulations: in accordance with FDA § 177.2600, USP Class VI, and BfR XV Silicone

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
10455	1.0	3.0	5	49.00

**THOMAFLUID® High-Med Silicone Tubing for Medical Engineering**  
**Type: Special Compound MQV SIT**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
10456	1.0	3.0	10	79.00
10457	1.0	4.0	5	83.00
10458	1.0	4.0	10	136.00
10459	1.0	6.0	5	142.00
10460	1.0	6.0	10	232.00
10461	1.5	3.5	5	75.00
10462	1.5	3.5	10	122.00
10463	1.5	5.5	5	93.00
10464	1.5	5.5	10	151.00
10465	2.0	3.0	5	77.00



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10466	2.0	3.0	10	125.00
10467	2.0	5.0	5	77.00
10468	2.0	5.0	10	125.00
10469	2.0	6.0	5	109.00
10470	2.0	6.0	10	176.00
10471	3.0	4.0	5	86.00
10472	3.0	4.0	10	137.00
10473	3.0	6.0	5	84.00
10474	3.0	6.0	10	132.00
10475	3.0	7.0	5	104.00
10476	3.0	7.0	10	168.00
10477	4.0	5.0	5	79.00
10478	4.0	5.0	10	129.00
10479	4.0	7.0	5	128.00
10480	4.0	7.0	10	210.00
10481	4.0	8.0	5	140.00
10482	4.0	8.0	10	229.00
10483	5.0	6.0	5	85.00
10484	5.0	6.0	10	134.00
10485	5.0	8.0	5	102.00
10486	5.0	8.0	10	166.00
10487	5.0	9.0	5	138.00
10488	5.0	9.0	10	225.00
10489	6.0	8.0	5	112.00
10490	6.0	8.0	10	183.00
10491	6.0	9.0	5	120.00
10492	6.0	9.0	10	196.00
10493	6.0	10 <sup>3</sup>	5	162.00
10494	6.0	10.0	10	265.00
10495	6.0	11.0	5	199.00
10496	6.0	11.0	10	318.00
10497	6.0	12.0	5	158.00
10498	6.0	12.0	10	252.00
10499	7.0	9.0	5	106.00
10500	7.0	9.0	10	173.00
10501	7.0	10.0	5	125.00
10502	7.0	10.0	10	203.00
10503	7.0	11.0	5	161.00
10504	7.0	11.0	10	249.00
10505	7.0	12.0	5	174.00
10506	7.0	12.0	10	270.00

## TUBING TECHNOLOGY-ELASTOMERS

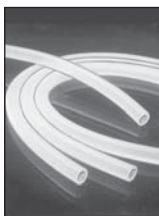
**THOMAFLUID® High-Med Silicone  
Tubing for Medical Engineering  
Type: Special Compound MQV SIT**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
10507	7.0	13.0	5	186.00
10508	7.0	13.0	10	297.00
10509	8.0	10.0	5	149.00
10510	8.0	10.0	10	231.00
10511	8.0	11.0	5	158.00
10512	8.0	11.0	10	252.00
10513	8.0	12.0	5	163.00
10514	8.0	12.0	10	260.00
10515	8.0	13.0	5	205.00
10516	8.0	13.0	10	327.00
10517	8.0	14.0	5	205.00
10518	8.0	14.0	10	327.00
10519	9.0	11.0	5	153.00
10520	9.0	11.0	10	250.00
10521	9.0	12.0	5	168.00
10522	9.0	12.0	10	259.00
10523	9.0	13.0	5	177.00
10524	9.0	13.0	10	283.00
10525	9.0	14.0	5	187.00
10526	9.0	14.0	10	298.00
10527	9.0	15.0	5	236.00
10528	9.0	15.0	10	377.00
10529	10.0	12.0	5	169.00
10530	10.0	12.0	10	264.00
10531	10.0	14.0	5	172.00
10532	10.0	14.0	10	265.00
10533	10.0	15.0	5	174.00
10534	10.0	15.0	10	278.00
10535	10.0	16.0	5	182.00
10536	10.0	16.0	10	291.00
10537	12.0	14.0	5	166.00
10538	12.0	14.0	10	271.00
10539	12.0	16.0	5	192.00
10540	12.0	16.0	10	306.00
10541	12.0	18.0	5	245.00
10542	12.0	18.0	10	391.00
10543	14.0	16.0	5	245.00
10544	14.0	16.0	10	391.00
10545	14.0	18.0	5	245.00
10546	14.0	18.0	10	391.00
10547	14.0	20.0	5	255.00
10548	14.0	20.0	10	407.00

- Highest flexibility in cold
- Very good resistance to ozone, aging, and weather
- Antiadhesive (repulsive) surface properties
- Very good dielectric properties
- High permeability to gas

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: blue, yellow, green, red, orange, violet, black, white
- Shore hardness A: 60° ± 5° (DIN 53505)
- Temperature range: -60 °C to +220 °C, for a short period +280 °C
- Autoclavable: at +136 °C
- Elasticity: 33 % (DIN 53517)
- Elongation at break: 500 % (DIN 53504-S1)



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- Tolerances: DIN ISO 3302-1 E1/E2 (DIN 7715 E1/E2)
- Sterilization: in hot air at +200 °C;  
in steam up to +135 °C;  
in gas (formalin, EO);  
in gamma-rays
- Regulations: FDA § 177.2600, USP Class VI, DAB 10, BfR XV Silicone

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
14481	1.0	2.0	blue	5	90.00
14482	1.0	2.0	blue	10	149.00
14483	1.0	2.0	yellow	5	90.00
14484	1.0	2.0	yellow	10	149.00
14485	1.0	2.0	green	5	90.00
14486	1.0	2.0	green	10	149.00
14487	1.0	2.0	red	5	90.00
14488	1.0	2.0	red	10	149.00
14489	1.0	2.0	orange	5	90.00
14490	1.0	2.0	orange	10	149.00
14491	1.0	2.0	violet	5	90.00
14492	1.0	2.0	violet	10	149.00
14493	1.0	2.0	white	5	90.00
14494	1.0	2.0	white	10	149.00
14495	1.0	2.0	black	5	90.00
14496	1.0	2.0	black	10	149.00
14497	2.0	3.0	blue	5	98.00
14498	2.0	3.0	blue	10	164.00
14499	2.0	3.0	yellow	5	98.00
14500	2.0	3.0	yellow	10	164.00
14501	2.0	3.0	green	5	98.00
14502	2.0	3.0	green	10	164.00
14503	2.0	3.0	red	5	98.00
14504	2.0	3.0	red	10	164.00
14505	2.0	3.0	orange	5	98.00
14506	2.0	3.0	orange	10	164.00
14507	2.0	3.0	violet	5	98.00

**THOMAFLUID® Silicone Pharma Colour-  
Coded Chemical Tubing  
Type: THOMAPLAST® SIT**
**Product specification:**

- Completely dyed Pharma tubing according to the RAL colour chart of BfR IX.
- Tubing compound meets the production regulations of FDA § 177.2600, USP Class VI, DAB 10, and BfR XV Silicone
- Very good physiological properties, biocompatible
- Non-toxic, free from pyrogens, and compatible with blood (tolerated by blood)
- The nature of surface reduces the risk of damage to tissues and blood cells.
- Thermosensitive, immediately adapting to body temperature without decrease in lumen size
- Highest flexibility and elasticity
- Excellent resistance to heat and hot air



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Pharma Colour-Coded Chemical Tubing**  
**Type: THOMAPLAST® SIT**

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
14508	2.0	3.0	violet	10	164.00
14509	2.0	3.0	white	5	98.00
14510	2.0	3.0	white	10	164.00
14511	2.0	3.0	black	5	98.00
14512	2.0	3.0	black	10	164.00
14513	3.0	5.0	blue	5	108.00
14514	3.0	5.0	blue	10	179.00
14515	3.0	5.0	yellow	5	108.00
14516	3.0	5.0	yellow	10	179.00
14517	3.0	5.0	green	5	108.00
14518	3.0	5.0	green	10	179.00
14519	3.0	5.0	red	5	108.00
14520	3.0	5.0	red	10	179.00
14521	3.0	5.0	orange	5	108.00
14522	3.0	5.0	orange	10	179.00
14523	3.0	5.0	violet	5	108.00
14524	3.0	5.0	violet	10	179.00
14525	3.0	5.0	white	5	108.00
14526	3.0	5.0	white	10	179.00
14527	3.0	5.0	black	5	108.00
14528	3.0	5.0	black	10	179.00
14529	4.0	6.0	blue	5	121.00
14530	4.0	6.0	blue	10	197.00
14531	4.0	6.0	yellow	5	121.00
14532	4.0	6.0	yellow	10	197.00
14533	4.0	6.0	green	5	121.00
14534	4.0	6.0	green	10	197.00
14535	4.0	6.0	red	5	121.00
14536	4.0	6.0	red	10	197.00
14537	4.0	6.0	orange	5	121.00
14538	4.0	6.0	orange	10	197.00
14539	4.0	6.0	violet	5	121.00
14540	4.0	6.0	violet	10	197.00
14541	4.0	6.0	white	5	121.00
14542	4.0	6.0	white	10	197.00
14543	4.0	6.0	black	5	121.00
14544	4.0	6.0	black	10	197.00
14545	6.0	8.0	blue	5	133.00
14546	6.0	8.0	blue	10	215.00
14547	6.0	8.0	yellow	5	133.00
14548	6.0	8.0	yellow	10	215.00
14549	6.0	8.0	green	5	133.00
14550	6.0	8.0	green	10	215.00
14551	6.0	8.0	red	5	133.00
14552	6.0	8.0	red	10	215.00
14553	6.0	8.0	orange	5	133.00
14554	6.0	8.0	orange	10	215.00
14555	6.0	8.0	violet	5	133.00
14556	6.0	8.0	violet	10	215.00
14557	6.0	8.0	white	5	133.00
14558	6.0	8.0	white	10	215.00
14559	6.0	8.0	black	5	133.00
14560	8.0	8.0	black	10	215.00
14561	8.0	10.0	blue	5	146.00
14562	8.0	10.0	blue	10	238.00
14563	8.0	10.0	yellow	5	146.00
14564	8.0	10.0	yellow	10	238.00
14565	8.0	10.0	green	5	146.00
14566	8.0	10.0	green	10	238.00
14567	8.0	10.0	red	5	146.00
14568	8.0	10.0	red	10	238.00
14569	8.0	10.0	orange	5	146.00
14570	8.0	10.0	orange	10	238.00
14571	8.0	10.0	violet	5	146.00

**THOMAFLUID® Silicone Pharma Colour-Coded Chemical Tubing**  
**Type: THOMAPLAST® SIT**

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
14572	8.0	10.0	violet	10	238.00
14573	8.0	10.0	white	5	146.00
14574	8.0	10.0	white	10	238.00
14575	8.0	10.0	black	5	146.00
14576	8.0	10.0	black	10	238.00
14577	10.0	12.0	blue	5	162.00
14578	10.0	12.0	blue	10	264.00
14579	10.0	12.0	yellow	5	162.00
14580	10.0	12.0	yellow	10	264.00



14 508



14 572

14581	10.0	12.0	green	5	162.00
14582	10.0	12.0	green	10	264.00
14583	10.0	12.0	red	5	162.00
14584	10.0	12.0	red	10	264.00
14585	10.0	12.0	orange	5	162.00
14586	10.0	12.0	orange	10	264.00
14587	10.0	12.0	violet	5	162.00
14588	10.0	12.0	violet	10	264.00
14589	10.0	12.0	white	5	162.00
14590	10.0	12.0	white	10	264.00
14591	10.0	12.0	black	5	162.00
14592	10.0	12.0	black	10	264.00

**THOMAFLUID® Silicone Special Compound Analytical Tubing**  
**Type: THOMAPLAST® DKA 795**
**Product specification:**

- Injection-moulded of especially high-grade silicone elastomer, annealed twice for 20 hrs at +20 °C in the rotary furnace
- Absolutely homogenous quality paired with high flexibility
- Physiologically safe in every respect
- Excellent stability in heat and hot air
- Highest flexibility in cold
- Very good resistance to ozone, aging, and weather
- Very good dielectric properties; tested especially for breakdown strength under wet conditions
- Antiahesive surface properties
- High permeability to gas
- Good radiation resistance
- High electrical insulating capacity
- High resistance to a wide spectrum of chemical compounds



## TUBING TECHNOLOGY-ELASTOMERS

## Technical specification:

- Material: SI (silicone rubber)
- Colour: transparent
- Shore hardness A: 55° ± 5° (DIN 53505)
- Temperature range: -60 °C to +200 °C (Class H); for a short period +350 °C
- Resistance to hot steam: +140 °C
- Steam sterilization: +136 °C
- Embrittlement temperature: -65 °C
- Density: 1.28 g/cm<sup>3</sup>
- Elasticity: 35 % (DIN 53505)
- Elongation at break: 300 %
- Volume resistance: 4.2 x 10<sup>15</sup> Ohm/cm<sup>3</sup>/+20 °C;  
2.6 x 10<sup>13</sup> Ohm/cm<sup>3</sup>/+130 °C;  
5.2 x 10<sup>12</sup> Ohm/cm<sup>3</sup>/+180 °C
- Dielectric constant: 3.2/+20 °C/800 Hz;  
2.9/+180 °C/800 Hz
- Tolerances:  
Inside diameter: from 0.2 mm to 2.0 mm  
+0.15/-0.1 mm;  
from 2.5 mm to 5.0 mm ± 0.2 mm;  
from 5.5 mm to 12.0 mm ± 0.3 mm;  
from 13.0 mm to 20.0 mm ± 0.4 mm;  
from 22.0 mm to 30.0 mm ± 0.6 mm;  
above ± 0.8 mm

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
331473	0.2	0.4	0.1	5	68.00
331474	0.2	0.4	0.1	15	165.00
14164	0.3	0.5	0.1	5	26.00
14165	0.3	0.5	0.1	15	69.00
14166	0.3	0.7	0.2	5	28.00
14167	0.3	0.7	0.2	15	72.00
14170	0.5	0.7	0.1	5	26.00
14171	0.5	0.7	0.1	15	69.00
14174	0.5	0.9	0.2	5	29.00
14175	0.5	0.9	0.2	15	75.00
14178	0.5	1.1	0.3	5	34.00
14179	0.5	1.1	0.3	15	81.00
14180	0.5	1.3	0.4	5	36.00
14181	0.5	1.3	0.4	15	87.00
14182	0.5	1.5	0.5	5	38.00
14183	0.5	1.5	0.5	15	91.00
14184	0.5	2.5	1.0	5	54.00
14185	0.5	2.5	1.0	15	146.00
14186	0.7	0.9	0.1	5	28.00
14187	0.7	0.9	0.1	15	73.00
14188	0.7	1.1	0.2	5	30.00
14189	0.7	1.1	0.2	15	76.00
14190	0.7	1.3	0.3	5	34.00
14191	0.7	1.3	0.3	15	85.00
14192	0.7	1.7	0.5	5	36.00
14193	0.7	1.7	0.5	15	98.00
14194	0.7	2.1	0.7	5	49.00
14195	0.7	2.1	0.7	15	131.00
14196	0.8	1.6	0.4	5	44.00
14197	0.8	1.6	0.4	15	116.00
14198	1.0	1.4	0.2	5	29.00
14199	1.0	1.4	0.2	15	77.00
14200	1.0	1.5	0.25	5	30.00
14201	1.0	1.5	0.25	15	81.00
14202	1.0	1.8	0.4	5	35.00
14203	1.0	1.8	0.4	15	95.00
14204	1.0	2.0	0.5	5	38.00
14205	1.0	2.0	0.5	15	102.00
14206	1.0	2.4	0.7	5	49.00
14207	1.0	2.4	0.7	15	133.00

**THOMAFLUID® Silicone Special  
Compound Analytical Tubing  
Type: THOMAPLAST® DKA 795**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
14208	1.2	2.0	0.4	5	39.00
14209	1.2	2.0	0.4	15	105.00
14210	1.3	1.7	0.2	5	31.00
14211	1.3	1.7	0.2	15	82.00
14212	1.5	1.9	0.2	5	34.00
14213	1.5	1.9	0.2	15	93.00
14214	1.5	2.1	0.3	5	40.00
14215	1.5	2.1	0.3	15	107.00
14216	1.5	2.3	0.4	5	46.00



33 1473



14 202

14217	1.5	2.3	0.4	15	126.00
14218	1.5	2.5	0.5	5	49.00
14219	1.5	2.5	0.5	15	141.00
14220	1.5	2.9	0.7	5	59.00
14221	1.5	2.9	0.7	15	159.00
14222	2.0	2.4	0.2	5	35.00
14223	2.0	2.4	0.2	15	94.00
14224	2.0	2.5	0.25	5	37.00
14225	2.0	2.5	0.25	15	102.00
14226	2.0	2.8	0.4	5	45.00
14227	2.0	2.8	0.4	15	123.00
14228	2.0	3.4	0.7	5	66.00
14229	2.0	3.4	0.7	15	181.00
14230	2.0	4.0	1.0	5	73.00
14231	2.0	4.0	1.0	15	201.00
14232	2.5	2.9	0.2	5	41.00
14233	2.5	2.9	0.2	15	110.00
14234	2.5	3.3	0.4	5	59.00
14235	2.5	3.3	0.4	15	158.00
14236	2.5	3.5	0.5	5	63.00
14237	2.5	3.5	0.5	15	166.00
14238	2.5	4.5	1.0	5	82.00
14239	2.5	4.5	1.0	15	225.00
14240	2.5	5.5	1.5	5	113.00
14241	2.5	5.5	1.5	15	302.00
14242	3.0	3.6	0.3	5	45.00
14243	3.0	3.6	0.3	15	114.00
14244	3.5	4.3	0.4	5	57.00
14245	3.5	4.3	0.4	15	154.00
14246	4.0	5.4	0.7	5	65.00
14247	4.0	5.4	0.7	15	177.00
14248	4.0	6.0	1.0	5	79.00
14249	4.0	6.0	1.0	15	216.00
14250	5.0	7.0	1.0	5	96.00
14251	5.0	7.0	1.0	15	262.00
14252	6.0	7.0	0.5	5	57.00
14253	6.0	7.0	0.5	15	154.00
14254	7.0	8.0	0.5	5	82.00
14255	7.0	8.0	0.5	15	223.00
14256	7.0	8.4	0.7	5	93.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Special  
Compound Analytical Tubing  
Type: THOMAPLAST® DKA 795**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
14257	7.0	8.4	0.7	15	254.00
14258	8.0	9.0	0.5	5	92.00
14259	8.0	9.0	0.5	15	246.00
14260	8.0	9.4	0.7	5	108.00
14261	8.0	9.4	0.7	15	292.00
14262	10.0	13.0	1.5	5	215.00
14263	10.0	13.0	1.5	15	553.00
14264	18.0	20.0	1.0	5	259.00
14265	18.0	20.0	1.0	15	678.00
14266	20.0	22.0	1.0	5	266.00
14267	20.0	22.0	1.0	15	698.00
14268	24.0	28.0	2.0	5	384.00
14269	24.0	28.0	2.0	15	967.00
14270	25.0	29.0	2.0	5	427.00
14271	25.0	29.0	2.0	15	1097.00
14272	32.0	36.0	2.0	5	476.00
14273	32.0	36.0	2.0	15	1189.00

- Dielectric constant: 23 kV/mm (VDE 0303) measured with tubing of wall thickness 1 mm at 50 Hz
- Elasticity: 35 % (DIN 53512)
- Volume resistivity: 10<sup>15</sup> Ohm x cm
- Elongation at break: 500 % (DIN 53504-S1)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
92011	1.0	3.0	1.0	3	30.00
48229	1.0	3.0	1.0	10	83.00
92012	1.0	3.0	1.0	15	104.00
92013	1.0	4.0	1.5	3	62.00
48230	1.0	4.0	1.5	10	148.00
92014	1.0	4.0	1.5	15	185.00



14 251



92 011

**THOMAFLUID® Silicone High-Tech  
Chemical Tubing  
Type: THOMAPLAST® High-Chem  
Standard**
**Application areas:**

- Laboratory technology
- Chemical technology
- Process technology
- Process engineering
- Medical engineering
- Pharmaceutical technology

**Product specification:**

- Conveying tubing
- Very good resistance to temperature
- Excellent resistance to hot air
- Highest flexibility in cold
- Good chemical resistance
- Very good resistance to ozone, aging, and weather
- Very good dielectric properties
- Physiologically safe
- Antiadhesive surface properties
- Very good elastic behaviour
- Highest permeability to gas

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: translucent
- Shore hardness A: 60° ± 5° (DIN 53505)
- Temperature range: -60 °C to +200 °C; for a short period +250 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 1.17 g/cm<sup>3</sup>
- Resistance to hot air: up to +200 °C
- Steam sterilization: at +135 °C
- Max. operating pressure: 6 bar (depending on cross-section, wall thickness and application)

92015	1.0	6.0	2.5	3	50.00
48231	1.0	6.0	2.5	10	119.00
92016	1.0	6.0	2.5	15	141.00
92017	1.5	3.5	1.0	3	30.00
48232	1.5	3.5	1.0	10	83.00
92018	1.5	3.5	1.0	15	104.00
92019	1.5	5.5	2.0	3	31.00
48233	1.5	5.5	2.0	10	84.00
92020	1.5	5.5	2.0	15	107.00
92021	2.0	3.0	0.5	3	30.00
48234	2.0	3.0	0.5	10	83.00
92022	2.0	3.0	0.5	15	104.00
931171	2.0	4.0	1.0	3	30.00
931172	2.0	4.0	1.0	25	260.00
92023	2.0	5.0	1.5	3	30.00
48235	2.0	5.0	1.5	10	83.00
92024	2.0	5.0	1.5	15	104.00
92025	2.0	6.0	2.0	3	34.00
48236	2.0	6.0	2.0	10	99.00
92026	2.0	6.0	2.0	15	114.00
92027	3.0	4.0	0.5	3	30.00
48237	3.0	4.0	0.5	10	83.00
92028	3.0	4.0	0.5	15	104.00
92029	3.0	6.0	1.5	3	30.00
48238	3.0	6.0	1.5	10	83.00
92030	3.0	6.0	1.5	15	104.00
92031	3.0	7.0	2.0	3	37.00
48239	3.0	7.0	2.0	10	96.00
92032	3.0	7.0	2.0	15	121.00
92033	4.0	5.0	0.5	3	30.00
48240	4.0	5.0	0.5	10	83.00
92034	4.0	5.0	0.5	15	104.00
941551	4.0	6.0	1.0	3	43.00
339365	4.0	6.0	1.0	10	103.00
941552	4.0	6.0	1.0	25	225.00
92035	4.0	7.0	1.5	3	50.00
48241	4.0	7.0	1.5	10	117.00
92036	4.0	7.0	1.5	15	147.00
92037	4.0	8.0	2.0	3	56.00
48242	4.0	8.0	2.0	10	127.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone High-Tech  
Chemical Tubing  
Type: THOMAPLAST® High-Chem  
Standard**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
92038	4.0	8.0	2.0	15	158.00
92039	5.0	6.0	0.5	3	30.00
48243	5.0	6.0	0.5	10	83.00
92040	5.0	6.0	0.5	15	104.00
92041	5.0	8.0	1.5	3	35.00
48244	5.0	8.0	1.5	10	92.00
92042	5.0	8.0	1.5	15	117.00
92043	5.0	9.0	2.0	3	47.00
48245	5.0	9.0	2.0	10	125.00
92044	5.0	9.0	2.0	15	158.00
92045	6.0	8.0	1.0	3	40.00
48246	6.0	8.0	1.0	10	102.00
92046	6.0	8.0	1.0	15	117.00
92047	6.0	9.0	1.5	3	44.00
48247	6.0	9.0	1.5	10	119.00
92048	6.0	9.0	1.5	15	150.00
92049	6.0	10.0	2.0	3	56.00
48248	6.0	10.0	2.0	10	148.00
92050	6.0	10.0	2.0	15	178.00
92051	6.0	11.0	2.5	3	73.00
48249	6.0	11.0	2.5	10	239.00
92052	6.0	11.0	2.5	15	298.00
92053	6.0	12.0	3.0	3	69.00
48250	6.0	12.0	3.0	10	200.00
92054	6.0	12.0	3.0	15	241.00
92055	7.0	9.0	1.0	3	39.00
48251	7.0	9.0	1.0	10	116.00
92056	7.0	9.0	1.0	15	131.00
92057	7.0	10.0	1.5	3	42.00
48252	7.0	10.0	1.5	10	126.00
92058	7.0	10.0	1.5	15	145.00
92059	7.0	11.0	2.0	3	70.00
48253	7.0	11.0	2.0	10	167.00
92060	7.0	11.0	2.0	15	209.00
92061	7.0	12.0	2.5	3	66.00
48254	7.0	12.0	2.5	10	180.00
92062	7.0	12.0	2.5	15	220.00
92063	7.0	13.0	3.0	3	81.00
48255	7.0	13.0	3.0	10	220.00
92064	7.0	13.0	3.0	15	283.00
92065	8.0	10.0	1.0	3	53.00
48256	8.0	10.0	1.0	10	138.00
92066	8.0	10.0	1.0	15	172.00
92067	8.0	11.0	1.5	3	59.00
48257	8.0	11.0	1.5	10	167.00
92068	8.0	11.0	1.5	15	209.00
92069	8.0	12.0	2.0	3	65.00
48258	8.0	12.0	2.0	10	166.00
92070	8.0	12.0	2.0	15	206.00
92071	8.0	13.0	2.5	3	64.00
48259	8.0	13.0	2.5	10	192.00
92072	8.0	13.0	2.5	15	237.00
92073	8.0	14.0	3.0	3	92.00
48260	8.0	14.0	3.0	10	264.00
92074	8.0	14.0	3.0	15	323.00
92075	9.0	11.0	1.0	3	54.00
48261	9.0	11.0	1.0	10	147.00
92076	9.0	11.0	1.0	15	184.00
92077	9.0	12.0	1.5	3	61.00
48262	9.0	12.0	1.5	10	163.00
92078	9.0	12.0	1.5	15	204.00
92079	9.0	13.0	2.0	3	70.00
48263	9.0	13.0	2.0	10	177.00

**THOMAFLUID® Silicone High-Tech  
Chemical Tubing  
Type: THOMAPLAST® High-Chem  
Standard**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
92080	9.0	13.0	2.0	15	221.00
92081	9.0	14.0	2.5	3	72.00
48264	9.0	14.0	2.5	10	214.00
92082	9.0	14.0	2.5	15	260.00
92083	9.0	15.0	3.0	3	121.00
48265	9.0	15.0	3.0	10	254.00
92084	9.0	15.0	3.0	15	322.00
92085	10.0	12.0	1.0	3	58.00



48 243



92 083

48266	10.0	12.0	1.0	10	156.00
92086	10.0	12.0	1.0	15	191.00
92087	10.0	14.0	2.0	3	65.00
48267	10.0	14.0	2.0	10	185.00
92088	10.0	14.0	2.0	15	226.00
92089	10.0	15.0	2.5	3	81.00
48268	10.0	15.0	2.5	10	230.00
92090	10.0	15.0	2.5	15	280.00
92091	10.0	16.0	3.0	3	95.00
48269	10.0	16.0	3.0	10	273.00
92092	10.0	16.0	3.0	15	336.00
92093	12.0	14.0	1.0	1	22.00
92094	12.0	14.0	1.0	5	87.00
48270	12.0	14.0	1.0	10	151.00
92095	12.0	16.0	2.0	1	33.00
92096	12.0	16.0	2.0	5	111.00
48271	12.0	16.0	2.0	10	192.00
92097	12.0	18.0	3.0	1	34.00
92098	12.0	18.0	3.0	5	141.00
48272	12.0	18.0	3.0	10	245.00
92099	14.0	16.0	1.0	1	34.00
92100	14.0	16.0	1.0	5	141.00
48273	14.0	16.0	1.0	10	245.00
92101	14.0	18.0	2.0	1	34.00
92102	14.0	18.0	2.0	5	141.00
48274	14.0	18.0	2.0	10	245.00
92103	14.0	20.0	3.0	1	37.00
92104	14.0	20.0	3.0	5	147.00
48275	14.0	20.0	3.0	10	255.00
92105	15.0	17.0	1.0	1	34.00
92106	15.0	17.0	1.0	5	140.00
48276	15.0	17.0	1.0	10	245.00
92107	15.0	19.0	2.0	1	34.00
92108	15.0	19.0	2.0	5	141.00
48277	15.0	19.0	2.0	10	245.00
92109	15.0	21.0	3.0	1	42.00
92110	15.0	21.0	3.0	5	180.00
48278	15.0	21.0	3.0	10	294.00
92111	16.0	18.0	1.0	1	34.00
92112	16.0	18.0	1.0	5	141.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone High-Tech  
Chemical Tubing  
Type: THOMAPLAST® High-Chem  
Standard**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
48279	16.0	18.0	1.0	10	245.00
92113	16.0	20.0	2.0	1	34.00
92114	16.0	20.0	2.0	5	141.00
48280	16.0	20.0	2.0	10	245.00
92115	16.0	22.0	3.0	1	45.00
92116	16.0	22.0	3.0	5	194.00
48281	16.0	22.0	3.0	10	315.00
92117	16.0	24.0	4.0	1	62.00
92118	16.0	24.0	4.0	5	228.00
14468	16.0	24.0	4.0	10	389.00
92119	18.0	22.0	2.0	1	54.00
92120	18.0	22.0	2.0	5	215.00
14469	18.0	22.0	2.0	10	389.00
92121	18.0	24.0	3.0	1	54.00
92122	18.0	24.0	3.0	5	215.00
14470	18.0	24.0	3.0	10	389.00
92123	18.0	26.0	4.0	1	68.00
92124	18.0	26.0	4.0	5	246.00
14471	18.0	26.0	4.0	10	424.00
92125	18.0	28.0	5.0	1	67.00
92126	18.0	28.0	5.0	5	246.00
14472	18.0	28.0	5.0	10	450.00
92127	20.0	24.0	2.0	1	67.00
92128	20.0	24.0	2.0	5	256.00
14473	20.0	24.0	2.0	10	461.00
92129	20.0	26.0	3.0	1	67.00
92130	20.0	26.0	3.0	5	266.00
14474	20.0	26.0	3.0	10	476.00
92132	20.0	28.0	4.0	5	266.00
14475	20.0	28.0	4.0	10	476.00
92134	20.0	30.0	5.0	5	341.00
14476	20.0	30.0	5.0	10	590.00
92136	22.0	28.0	3.0	5	266.00
14477	22.0	28.0	3.0	10	476.00
92138	22.0	30.0	4.0	5	294.00
14478	22.0	30.0	4.0	10	508.00
92140	25.0	31.0	3.0	5	266.00
14479	25.0	31.0	3.0	10	476.00
92142	25.0	33.0	4.0	5	322.00
14480	25.0	33.0	4.0	10	547.00

**THOMAFLUID® Silicone High  
Temperature Chemical Tubing “High-  
Flexible”  
Type: THOMAPLAST® High-Temperature**
**Product specification:**

- Superelastic special tubing for extreme applications at highest temperatures and continuous load
- Even at highest temperatures, no changes occur in the properties of material
- The product is only extruded of an especially high-grade silicone elastomer and vulcanized. The cured goods do not contain any extractable constituents.
- Superior and outstanding elasticity
- Completely odourless and tasteless
- Physiologically inert and well tolerated by the body

- Highest resistance to cold
- Very good resistance to ozone, aging, and weather
- Antiadhesive surface properties
- Very good dielectric properties
- High permeability to gas

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: ivory (opaque)
- Shore hardness A: 60° (DIN 53505)
- Temperature range: -40 °C to +300 °C;  
for a short period +350 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 1.18 g/cm<sup>3</sup> (DIN 53479)
- Autoclavable: at +136 °C
- Sterilization: in hot air at +250 °C;



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- Thermal conductivity: 0.6 x 10<sup>-3</sup> cal/cm<sup>2</sup>/C/sec.
- Elongation at break: up to 300 % without tearing (DIN 53504-S2)
- Recovery: nearly complete
- Breakdown strength: 20 kV/mm
- Volume resistance: 4.2 x 10<sup>15</sup> Ohm/cm<sup>3</sup>/+20 °C;  
2.6 x 10<sup>13</sup> Ohm/cm<sup>3</sup>/+130 °C;  
5.2 x 10<sup>12</sup> Ohm/cm<sup>3</sup>/+180 °C
- Dielectric constant: 3.2/+20 °C/800 Hz;  
2.9/+180 °C/800 Hz

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
28686	0.3	0.7	0.2	5	17.00
28687	0.3	0.7	0.2	15	39.00
48167	0.3	0.7	0.2	25	64.00
28689	0.5	0.9	0.2	5	17.00
28690	0.5	0.9	0.2	15	39.00
48168	0.5	0.9	0.2	25	64.00
28691	0.7	1.1	0.2	5	17.00
28692	0.7	1.1	0.2	15	39.00
48169	0.7	1.1	0.2	25	64.00
28693	0.8	1.6	0.4	5	19.00
28694	0.8	1.6	0.4	15	43.00
48170	0.8	1.6	0.4	25	69.00
28695	1.0	1.4	0.2	5	19.00
28696	1.0	1.4	0.2	15	43.00
48171	1.0	1.4	0.2	25	69.00
28697	1.0	1.8	0.4	5	19.00
28698	1.0	1.8	0.4	15	43.00
48172	1.0	1.8	0.4	25	69.00
28699	1.0	3.0	1.0	5	26.00
28700	1.0	3.0	1.0	15	63.00
48173	1.0	3.0	1.0	25	103.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone High Temperature Chemical Tubing “High-Flexible”**  
**Type: THOMAPLAST® High-Temperature**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
28701	1.0	4.0	1.5	5	37.00
28702	1.0	4.0	1.5	15	87.00
48174	1.0	4.0	1.5	25	139.00
28703	1.5	1.9	0.2	5	22.00
28704	1.5	1.9	0.2	15	53.00
48175	1.5	1.9	0.2	25	82.00
28705	1.5	2.3	0.4	5	24.00
28706	1.5	2.3	0.4	15	57.00
48176	1.5	2.3	0.4	25	90.00
28707	1.5	3.5	1.0	5	37.00
28708	1.5	3.5	1.0	15	87.00
48177	1.5	3.5	1.0	25	139.00
28709	2.0	2.4	0.2	5	27.00
28710	2.0	2.4	0.2	15	64.00
48178	2.0	2.4	0.2	25	95.00
28711	2.0	2.8	0.4	5	29.00
28712	2.0	2.8	0.4	15	68.00
48179	2.0	2.8	0.4	25	97.00
28713	2.0	4.0	1.0	5	37.00
28714	2.0	4.0	1.0	15	87.00
48180	2.0	4.0	1.0	25	139.00
28715	2.0	5.0	1.5	5	46.00
28716	2.0	5.0	1.5	15	112.00
48181	2.0	5.0	1.5	25	169.00
28717	2.5	3.5	0.5	5	30.00
28718	2.5	3.5	0.5	15	71.00
48182	2.5	3.5	0.5	25	105.00
28719	2.5	4.5	1.0	5	46.00
28720	2.5	4.5	1.0	15	112.00
48183	2.5	4.5	1.0	25	169.00
28721	2.5	5.5	1.5	5	51.00
28722	2.5	5.5	1.5	15	122.00
48184	2.5	5.5	1.5	25	182.00
28723	3.0	3.8	0.4	5	34.00
28724	3.0	3.8	0.4	15	80.00
48185	3.0	3.8	0.4	25	120.00
28725	3.0	5.0	1.0	5	48.00
28726	3.0	5.0	1.0	15	117.00
48186	3.0	5.0	1.0	25	174.00
28727	3.0	6.0	1.5	5	55.00
28728	3.0	6.0	1.5	15	131.00
48187	3.0	6.0	1.5	25	187.00
28729	3.0	7.0	2.0	5	66.00
28730	3.0	7.0	2.0	15	158.00
48188	3.0	7.0	2.0	25	234.00
28731	3.5	4.5	0.5	5	47.00
28732	3.5	4.5	0.5	15	115.00
48189	3.5	4.5	0.5	25	190.00
28733	3.5	5.5	1.0	5	51.00
28734	3.5	5.5	1.0	15	122.00
48190	3.5	5.5	1.0	25	192.00
28735	3.5	6.5	1.5	5	65.00
28736	3.5	6.5	1.5	15	157.00
48191	3.5	6.5	1.5	25	235.00
28737	3.5	7.5	2.0	5	71.00
28738	3.5	7.5	2.0	15	170.00
48192	3.5	7.5	2.0	25	248.00
28739	4.0	5.0	0.5	5	48.00
28740	4.0	5.0	0.5	15	116.00
48193	4.0	5.0	0.5	25	182.00
28741	4.0	6.0	1.0	5	51.00
28742	4.0	6.0	1.0	15	122.00
48194	4.0	6.0	1.0	25	192.00

**THOMAFLUID® Silicone High Temperature Chemical Tubing “High-Flexible”**  
**Type: THOMAPLAST® High-Temperature**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
28743	4.0	7.0	1.5	5	66.00
28744	4.0	7.0	1.5	15	158.00
48195	4.0	7.0	1.5	25	235.00
28745	4.0	8.0	2.0	5	71.00
28746	4.0	8.0	2.0	15	170.00
48196	4.0	8.0	2.0	25	250.00
28747	4.5	6.5	1.0	5	66.00
28748	4.5	6.5	1.0	15	158.00



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48197	4.5	6.5	1.0	25	236.00
28749	5.0	5.6	0.3	5	51.00
28750	5.0	5.6	0.3	15	122.00
48198	5.0	5.6	0.3	25	192.00
28751	5.0	6.0	0.5	5	48.00
28752	5.0	6.0	0.5	15	116.00
48199	5.0	6.0	0.5	25	179.00
28753	5.0	7.0	1.0	5	63.00
28754	5.0	7.0	1.0	15	150.00
48200	5.0	7.0	1.0	25	224.00
28755	5.0	8.0	1.5	5	70.00
28756	5.0	8.0	1.5	15	167.00
48201	5.0	8.0	1.5	25	250.00
28757	5.0	9.0	2.0	5	73.00
28758	5.0	9.0	2.0	15	174.00
48202	5.0	9.0	2.0	25	260.00
28759	6.0	7.0	0.5	5	51.00
28760	6.0	7.0	0.5	15	122.00
48203	6.0	7.0	0.5	25	192.00
28761	6.0	8.0	1.0	5	74.00
28762	6.0	8.0	1.0	15	177.00
48204	6.0	8.0	1.0	25	265.00
28763	6.0	9.0	1.5	5	84.00
28764	6.0	9.0	1.5	15	193.00
48205	6.0	9.0	1.5	25	288.00
28765	6.0	10.0	2.0	5	88.00
28766	6.0	10.0	2.0	15	201.00
48206	6.0	10.0	2.0	25	301.00
28767	7.0	8.0	0.5	5	83.00
28768	7.0	8.0	0.5	15	198.00
48207	7.0	8.0	0.5	25	283.00
28769	7.0	9.0	1.0	5	80.00
28770	7.0	9.0	1.0	15	178.00
48208	7.0	9.0	1.0	25	267.00
28771	7.0	10.0	1.5	5	84.00
28772	7.0	10.0	1.5	15	184.00
48209	7.0	10.0	1.5	25	275.00
28773	7.0	11.0	2.0	5	93.00
28774	7.0	11.0	2.0	15	204.00
48210	7.0	11.0	2.0	25	301.00
28775	8.0	9.0	0.5	5	88.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone High Temperature Chemical Tubing "High-Flexible"**  
**Type: THOMAPLAST® High-Temperature**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
28776	8.0	9.0	0.5	15	193.00
48211	8.0	9.0	0.5	25	288.00
28777	8.0	10.0	1.0	5	88.00
28778	8.0	10.0	1.0	15	193.00
48212	8.0	10.0	1.0	25	289.00
28779	8.0	11.0	1.5	5	90.00
28780	8.0	11.0	1.5	15	199.00
48213	8.0	11.0	1.5	25	296.00
28781	8.0	12.0	2.0	5	94.00
28782	8.0	12.0	2.0	15	206.00
48214	8.0	12.0	2.0	25	306.00
28783	9.0	11.0	1.0	5	90.00
28784	9.0	11.0	1.0	15	199.00
48215	9.0	11.0	1.0	25	296.00
28785	9.0	12.0	1.5	5	94.00
28786	9.0	12.0	1.5	15	206.00
48216	9.0	12.0	1.5	25	305.00
28787	9.0	13.0	2.0	5	94.00
28788	9.0	13.0	2.0	15	206.00
48217	9.0	13.0	2.0	25	305.00
28789	10.0	12.0	1.0	5	94.00
28790	10.0	12.0	1.0	15	206.00
48218	10.0	12.0	1.0	25	305.00
28791	10.0	13.0	1.5	5	94.00
28792	10.0	13.0	1.5	15	206.00
48219	10.0	13.0	1.5	25	305.00
28793	10.0	14.0	2.0	5	97.00
28794	10.0	14.0	2.0	15	213.00
48220	10.0	14.0	2.0	25	319.00
28795	11.0	13.0	1.0	5	97.00
28796	11.0	13.0	1.0	15	213.00
48221	11.0	13.0	1.0	25	319.00
28797	11.0	14.0	1.5	5	100.00
28798	11.0	14.0	1.5	15	218.00
48222	11.0	14.0	1.5	25	327.00
28799	12.0	14.0	1.0	5	100.00
28800	12.0	14.0	1.0	15	218.00
48223	12.0	14.0	1.0	25	327.00
28801	12.0	16.0	2.0	5	104.00
28802	12.0	16.0	2.0	15	228.00
48224	12.0	16.0	2.0	25	341.00
28803	13.0	15.0	1.0	5	104.00
28804	13.0	15.0	1.0	15	228.00
48225	13.0	15.0	1.0	25	341.00
28805	13.0	17.0	2.0	5	113.00
28806	13.0	17.0	2.0	15	248.00
48226	13.0	17.0	2.0	25	357.00
28807	14.0	16.0	1.0	5	113.00
28808	14.0	16.0	1.0	15	248.00
48227	14.0	16.0	1.0	25	357.00
28809	14.0	18.0	2.0	5	121.00
28810	14.0	18.0	2.0	15	264.00
48228	14.0	18.0	2.0	25	396.00

ture (silicone-carbon-compound), which guarantees the tubing to have absolutely conductive properties throughout. It is not a tubing fitted with a conductive carbon vein or core, but a 100 % homogenous compound consisting of silicone/graphite. Due to this product specification, the volume resistivity has to be classified as being of optimal value. It is  $10 \pm 2 \text{ Ohm} \times \text{cm}$ .

- The tubing is produced by addition of selected components, it is dyed black and it is extremely supple. The wall thickness is constant, the inner surface is absolutely smooth. The tubing is non-porous and of high tearing strength.

**Technical specification:**

- Shore hardness A:  $50^\circ$  and  $70^\circ \pm 5^\circ$  resp. (DIN 53505)
- Density:  $1.12 \pm 0.01 \text{ g/cm}^3$  (DIN 53479 A)
- Tear resistance:  $5.5 \text{ N/mm}^2$  (DIN 53504-S1)
- Elongation at break: 350 % (DIN 53504-S1)



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- Tear propagation resistance: 10 N/mm (ASTM D 624 B)
- Volume resistivity:  $10 \pm 2 \text{ Ohm} \times \text{cm}$  (VDE 0303)
- Rebound elasticity: 35 % (DIN 53512)
- Compression set:  $< 25 \%$  (22 h/+175 °C, DIN 53517)
- Each parameter was measured after vulcanization and annealing for 4 hrs at +200 °C in a circulating air furnace.

Cat. No.	I. D. mm	O. D. mm	Shore hardness A	Length m	Price EURO
40586	2	4	50	5	75.00
40587	2	4	50	10	128.00
40588	2	4	50	30	312.00
40589	7	9	50	5	126.00
40590	7	9	50	10	220.00
40591	7	9	50	30	542.00
40592	2	4	70	5	75.00
40593	2	4	70	10	128.00
40594	2	4	70	30	312.00
40595	7	9	70	5	126.00
40596	7	9	70	10	220.00
40597	7	9	70	30	542.00

**THOMAFLUID® Silicone Multichannel Chemical Tubing**  
**Type: THOMAPLAST® BW**
**Product specification:**

- Very good dielectric properties
- Very good physiological properties
- Very good resistance to ozone, aging, and weather

**THOMAFLUID® Silicone High-Tech Antista Chemical Tubing**
**Product specification:**

- A black coloured special tubing made of silicone (SI) according to formula IGB 50 in an electrically conducting compound mix-

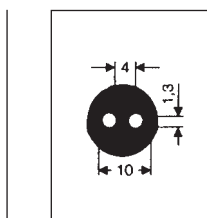
## TUBING TECHNOLOGY-ELASTOMERS

- Good antiadhesive (repulsive) surface properties
- High permeability to gas

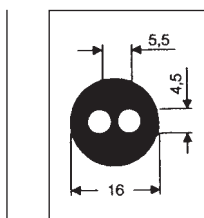
### Technical specification:

- Material: SI (silicone rubber)
- Colour: transparent
- Shore hardness A: 70° ± 5°
- Temperature range: -55 °C to +300 °C, for a short time +350 °C
- Autoclavable: at +136 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	No. of lumens	Length m	Price EURO
138820	0.8	4.0	2	5	77.00

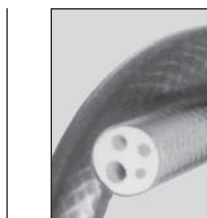


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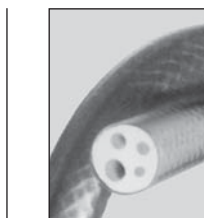


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138830	0.8	4.0	2	15	208.00
138840	1.3	10.0	2	5	141.00
138850	1.3	10.0	2	15	376.00
138860	1.6	6.5	2	5	90.00
138870	1.6	6.5	2	15	238.00
138880	2.0	8.1	2	5	90.00
138890	2.0	8.1	2	15	238.00
138900	3.2	8.8	2	5	95.00
138910	3.2	8.8	2	15	248.00
138920	4.5	16.0	2	5	185.00
138930	4.5	16.0	2	15	499.00



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## THOMAFLUID® Silicone Multichannel Chemical Tubing

### Product specification:

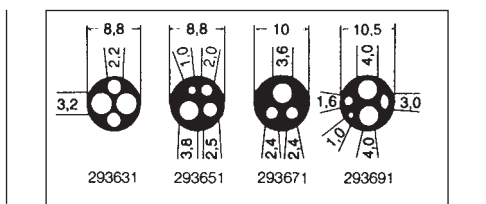
- Superelastic special tubing made of silicone (SI) for extreme applications, designed for a temperature constant load of +200 °C. The properties of the material do not change, even at such high temperatures.
- SI high temperature chemical tubing is extruded of an especial-

ly high-grade silicone elastomer and is vulcanized. The cured goods do not contain any extractable constituents, they are completely odourless and tasteless, physiologically inert, and absolutely well tolerated by the body.

### Technical specification:

- The physical parameters are the same as for the THOMAFLUID® SI High Temperature Chemical Tubing with following exceptions:
- Colour: transparent
- Temperature range: Class H and above up to +200 °C; for a short time +250 °C

Cat. No.	O. D. mm	Design	Length m	Price EURO
293631	8.8	without jacket	5	202.00



293641	8.8	without jacket	15	407.00
293651	8.8	without jacket	5	192.00
293661	8.8	without jacket	15	387.00
293671	10.0	braided	5	202.00
293681	10.0	braided	15	407.00
293691	10.5	braided	5	213.00
293701	10.5	braided	15	422.00

## THOMAFLUID® High-Tech Silicone Spiral Tubing Type: High-Flexible

### Application areas:

- Analytical technology
- Medical engineering
- Inhalation technology
- Respiration engineering
- Process engineering
- Laboratory technology

### Product specification:

- High-tech silicone spiral tubing is extruded of an especially high-grade silicone elastomer and is vulcanized. The cured goods do not contain any extractable constituents, and they are completely odourless and tasteless, physiologically inert and absolutely well tolerated by the body. The formulation meets the regulations of BfR XV, DAB 9, FDA § 177.2600, and USP XXI.
- Resistant to most organic solvents.

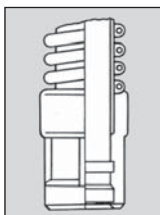
### Technical specification:

- Colour: transparent, blue
- Shore hardness A (wall): 60°
- Shore hardness A (coil): 80°
- Temperature range: up to +200 °C, for a short period +250 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Hot sterilization: up to +250 °C
- Steam sterilization: at +135 °C (2.2 bar)

## TUBING TECHNOLOGY-ELASTOMERS

- Gamma-rays sterilization: yes
- Ethylene oxide gas sterilization: yes
- Suitable for gas: yes
- Inside surface: smooth
- Connection adapter:  
Tubing inside Ø 9 mm: nominal width 10  
Tubing inside Ø 19 mm: nominal width 22

Cat. No.	I. D. mm	Connection adapter	Length m	Price EURO
42305	9	no	0.8	42.00
42306	9	no	0.9	47.00
42307	9	no	1.0	53.00
42308	9	no	1.1	59.00
42309	9	no	1.2	64.00



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42310	9	no	1.3	69.00
42311	9	no	1.4	74.00
42312	9	no	1.5	79.00
42313	9	no	1.6	85.00
42314	9	no	1.7	90.00
42315	9	no	1.8	95.00
42316	9	no	1.9	101.00
42317	9	no	2.0	106.00
42318	9	yes	0.3	39.00
42319	9	yes	0.4	44.00
42320	9	yes	0.5	50.00
42321	9	yes	0.6	55.00
42322	9	yes	0.7	61.00
42323	9	yes	0.8	66.00
42324	9	yes	0.9	71.00
42325	9	yes	1.0	76.00
42326	9	yes	1.1	81.00
42327	9	yes	1.2	86.00
42328	9	yes	1.3	91.00
42329	9	yes	1.4	99.00
42330	9	yes	1.5	104.00
42331	9	yes	1.6	109.00
42332	9	yes	1.7	113.00
42333	9	yes	1.8	118.00
42334	9	yes	1.9	123.00
42335	9	yes	2.0	129.00
42336	19	no	0.3	21.00
42337	19	no	0.4	27.00
42338	19	no	0.5	35.00
42339	19	no	0.6	42.00
42340	19	no	0.7	48.00
42341	19	no	0.8	56.00
42342	19	no	0.9	63.00
42343	19	no	1.0	69.00
42344	19	no	1.1	73.00

## THOMAFLUID® High-Tech Silicone Spiral Tubing

### Type: High-Flexible

Cat. No.	I. D. mm	Connection adapter	Length m	Price EURO
42354	19	yes	0.3	51.00
42355	19	yes	0.4	56.00
42356	19	yes	0.45	60.00
42357	19	yes	0.6	68.00
42358	19	yes	0.8	79.00
42359	19	yes	0.85	83.00
42982	19	yes	0.9	86.00
42983	19	yes	1.0	91.00
42984	19	yes	1.1	97.00
42985	19	yes	1.2	104.00
42986	19	yes	1.3	110.00
42987	19	yes	1.4	116.00
42988	19	yes	1.5	122.00
42989	19	yes	1.6	127.00
42991	19	yes	1.8	139.00
42993	19	yes	2.0	152.00

## THOMAFLUID® Silicone Heat Exchanger Profile Tubing

### System: Calorex® ISD 9700

#### Application areas:

- Cooling, heating, and warming of reaction flasks, chromatography columns and troughs, cultivation vessels, measuring set-ups.

#### Product specification:

- Elastic, thermoconductive special tubing with optimized circular segment profile, made either of colour-coded silicone or of EPDM (ethylene-propylene-terpolymer rubber) for winding around all kinds of equipment, and with connecting pieces fitting to the tubing connection of thermostats and other thermomedia conveying systems. Pressure- and temperature-loadable, high thermal conductivity due to special polymer formulations and large effective contact surfaces.
- Width of contact surface (width of bottom) alternatively 8, 15 or 30 mm, length 6 m each.
- Optionally, special connecting pieces for coupling of heat exchanger tubing of equal dimensions (Cat. No. 43906 to 43908).
- Suitable for water, steam, cooling brine, lower and higher alcohols (such as methanol, ethanol, and glycols) as well as for motor oils. Not suitable for halogenated and aromatic hydrocarbons.

#### Technical specification:

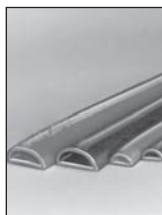
- Material: silicone rubber
- Colour: red
- Temperature range: -50 °C to +180 °C
- Max. operating pressure: 0.4 bar, for a short time up to 2.5 bar



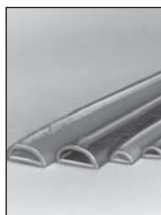
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Heat Exchanger Profile Tubing**  
**System: Calorex® ISD 9700**

Cat. No.	Material	Width of bottom mm	Colour	Length m	Price EURO
43903	silicone	8	red	6	208.00
43904	silicone	15	red	6	346.00
43905	silicone	30	red	6	642.00



43 903



43 903



28 250



28 250

**Technical specification:**

- Colour: natural
- Shore hardness A: 60° ± 5° (DIN 53505)
- Temperature range: -60 °C to +200 °C, for a short period +250 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Elasticity: 35 % (DIN 53512)
- Density: 1.75 g/cm<sup>3</sup>
- Hot air sterilization: up to +200 °C
- Steam sterilization: at +136 °C
- Resistance to atmospheric cracking: good
- Behaviour under pressure: depending on cross section, wall thickness,

**THOMAFLUID® Connecting Pieces for Heat Exchanger Profile Tubing**  
**System: Calorex® ISD 07941**
**Application area:**

- Connecting and coupling of THOMAFLUID® Heat Exchanger Profile Tubing

Cat. No.	For width of bottom mm	Nominal width mm	Nozzle with internal thread inch	Double nozzle	Piece/package	Price EURO
43906	8.0	4.0	R 1/4"	-	2	30.00
439061	8.0	4.0	-	yes	2	26.00
43907	15.0	8	R 1/2"	-	2	30.00
439071	15.0	8	-	yes	2	26.00
43908	30.0	15	R 1"	-	2	30.00
439081	30.0	15	-	yes	2	26.00

- Behaviour in vacuum: depending on cross section, wall thickness, and application up to 20 Torr
- Elongation at break: 600 % (DIN 53504-S2)
- Tear propagation resistance: 20 N/mm (ASTM D 624 B)
- Dielectric constant: 2.9 at 50 Hz (VDE 0303)
- Breakdown strength: 23 kV/mm (VDE 0303), measured with tubing of wall thickness 1 mm at 50 Hz
- Volume resistivity: 10<sup>15</sup> Ohm x cm
- Tensile strength: 10 N/mm<sup>2</sup> (DIN 53504-S2)

**THOMAFLUID® Silicone Vacuum Chemical Tubing**
**Application area:**

- Vacuum chemical tubing meeting highest requirements in laboratories, pilot and production plants.

**Product specification:**

- Special chemical vacuum tubing with outstanding mechanical and chemical properties. It is chemically neutral, toxicologically and physiologically safe, resistant to ozone and atmospheric cracking. Embrittlement occurs at approx. -70 °C.

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28250	3.0	9.0	5	102.00
28251	3.0	9.0	15	213.00
28252	4.0	12.0	5	153.00
28253	4.0	12.0	15	305.00
28254	5.0	15.0	5	237.00
28255	5.0	15.0	15	477.00
28256	6.0	12.0	5	153.00
28257	6.0	12.0	15	322.00
28258	7.0	13.0	5	177.00
28259	7.0	13.0	15	372.00
28260	7.0	15.0	5	266.00
28261	7.0	15.0	15	531.00
28262	7.0	17.0	15	587.00
28263	8.0	16.0	20	808.00
28264	8.0	18.0	15	606.00
28265	10.0	20.0	15	646.00
28266	12.0	22.0	15	690.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Pharma  
Silicone Chemical Tubing**  
**Type: GMP 5119**
**Application areas:**

- Pharmaceutical production
- Food technology
- Biotechnology
- Chemical engineering

**Product specification:**

- Flexible silicone chemical pressure tubing
- Meeting the standards: FDA, USP Class VI, GMP
- Excellent resistance to heat



10 595



10 595

- High flexibility also in the cold
- Good resistance to ozone, aging, and weather
- Good dielectric properties
- Antiadhesive surface properties
- Good elasticity
- Odourless and neutral in taste

**Technical specification:**

- Material: silicone MVQ (polysiloxane)
- Colour: milky-transparent
- Temperature range: -40 °C to +150 °C, for a short period +210 °C
- Insert: 1 PETP-braiding, coarse-meshed
- Sterilization: with saturated steam at +136 °C

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
10595	6.4	13.2	8.5	38	1	95.00
10596	6.4	13.2	8.5	38	3	246.00
10597	7.9	15.0	8.0	40	1	113.00
10598	7.9	15.0	8.0	40	3	287.00
10599	9.5	16.6	7.5	45	1	116.00
10600	9.5	16.6	7.5	45	3	300.00
10601	12.7	20.3	7.0	50	1	174.00
10602	12.7	20.3	7.0	50	3	323.00
10603	15.9	24.5	6.0	65	1	190.00
10604	15.9	24.5	6.0	65	3	491.00
10605	19.1	28.0	5.0	70	1	200.00
10606	19.1	28.0	5.0	70	3	517.00
10607	22.2	31.4	3.5	90	1	225.00
10608	22.2	31.4	3.5	90	3	578.00

<sup>1</sup> at +100 °C
**THOMAFLUID® Silicone High  
Temperature Pharmaceutical Pressure  
Tubing – flexible –**  
**Type: THOMACHEM CHAP 5119**
**Application areas:**

- On fermenters in the biotechnology
- Overall food processing industry and pharmaceutical industry

**Product specification:**

- Highly flexible pharmaceutical tubing
- Outstanding temperature resistance
- Excellent resistance to hot air
- Good resistance to cold
- Very good resistance to ozone, aging, and weather
- Very good dielectric properties
- Physiologically absolutely safe
- Non-toxic
- Pyrogen-free and compatible with blood (tolerated by blood)

**Technical specification:**

- Material: SI (silicone rubber special compound according to GMP)
- Colour: milky-transparent
- Shore hardness A: 60° ± 5° (DIN 53505)
- Temperature range: -50 °C to +190 °C
- Insert: coarse-meshed PETP-braiding
- Design: absolutely smooth (inside and outside)
- Regulations: FDA § 177.2600, USP XXI, DAB 10, BfR XV

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
334053	6.4	13.2	8.5	38	1	78.00
334054	6.4	13.2	8.5	38	3	210.00
334055	6.4	13.2	8.5	38	5	310.00
334056	7.9	15.0	8.0	40	1	80.00
334057	7.9	15.0	8.0	40	3	242.00
334058	7.9	15.0	8.0	40	5	360.00
334059	9.5	16.6	7.5	45	1	94.00
334060	9.5	16.6	7.5	45	3	252.00
334061	9.5	16.6	7.5	45	5	376.00
334062	12.7	20.3	7.0	50	1	142.00
334063	12.7	20.3	7.0	50	3	382.00
334064	12.7	20.3	7.0	50	5	568.00



33 4053



33 4053

334065	15.9	24.5	6.0	65	1	154.00
334066	15.9	24.5	6.0	65	3	420.00
334067	15.9	24.5	6.0	65	5	622.00
334068	19.1	28.0	5.0	75	1	162.00
334069	19.1	28.0	5.0	75	3	440.00
334070	19.1	28.0	5.0	75	5	654.00
334071	22.2	31.4	3.5	90	1	174.00
334072	22.2	31.4	3.5	90	3	462.00
334073	22.2	31.4	3.5	90	5	682.00
334074	25.4	34.5	3.0	100	1	190.00
334075	25.4	34.5	3.0	100	3	510.00
334076	25.4	34.5	3.0	100	5	748.00

<sup>1</sup> at +100 °C

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® High-Med Silicone Pharmaceutical and Chemical Pressure Tubing with Fabric Insert of Glass Silk

**Product specification:**

- Flexible silicone pressure tubing with multifil fabric insert of glass silk
- Very good resistance to temperature
- Excellent resistance to hot air
- Good resistance to cold
- High chemical resistance
- Very good resistance to ozone, aging, and weather
- Very good dielectric properties
- Physiologically safe
- Non-toxic, free from pyrogens, compatible with blood (tolerated by blood)

**Technical specification:**

- Material: SI (silicone rubber)
- Material class: medicine/food
- Colour: translucent
- Shore hardness A: 70° ± 5° (DIN 53505)
- Temperature range: -60 °C to +200 °C, for a short period +250 °C
- Resistance to hot air: up to +200 °C
- Steam sterilization: at +136 °C and 2.5 bar
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 1.16 g/cm<sup>3</sup> (DIN 53479 A)
- Tensile strength: 11 N/mm<sup>2</sup> (DIN 53504-S1)
- Elongation at break: 440 % (DIN 53504-S1)
- Rebound elasticity: 38 % (DIN 53512)
- Compression set (22 h/175 °C): 50 % (DIN 53517)
- Regulations: FDA § 177.2600, USP XXI, and BFR XV

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
11544	3.0	9.0	20	5	121.00
11545	3.0	9.0	20	15	305.00



11 544



11 544

11546	4.0	10.0	20	5	131.00
11547	4.0	10.0	20	15	328.00
11548	5.0	11.0	14	5	146.00
11549	5.0	11.0	14	15	361.00
11550	6.0	12.0	12	5	162.00
11551	6.0	12.0	12	15	392.00
11552	8.0	15.0	8.5	5	208.00
11553	8.0	15.0	8.5	15	509.00
11554	10.0	17.0	8.5	5	233.00
11555	10.0	17.0	8.5	15	588.00
11556	12.5	19.5	8.5	5	264.00

### THOMAFLUID® High-Med Silicone Pharmaceutical and Chemical Pressure Tubing with Fabric Insert of Glass Silk

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
11557	12.5	19.5	8.5	15	660.00
11558	14.0	21.0	7.5	5	335.00
11559	14.0	21.0	7.5	15	831.00
11560	16.0	26.0	7.5	5	392.00
11561	16.0	26.0	7.5	15	975.00
11562	19.0	30.0	6.5	5	476.00
11563	19.0	30.0	6.5	15	1189.00
11564	25.0	37.0	5.0	5	596.00
11565	25.0	37.0	5.0	15	1486.00

<sup>1</sup> at +20 °C

### THOMAFLUID® Silicone Pressure Tubing - flexible - Type: THOMAPLAST® CHAP 5128

**Product specification:**

- Extremely flexible pressure tubing, also in the cold
- The jacket is tightly vulcanized on the core tubing and impregnated with silicone rubber
- Good resistance to ozone, aging, and weather
- Antistatic surface properties

**Technical specification:**

- Material: SI (silicone rubber)
- Colour: milky-transparent
- Temperature range: -50 °C to +180 °C, for a short time +250 °C
- Insert: a layer of glass silk braiding inside smooth, milky and bordered;
- Design: outside silicone impregnation

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
12449	4	8	10	30	5	87.00



28 843



28 846

12450	4	8	10	30	10	144.00
12451	5	9	10	35	5	98.00
12452	5	9	10	35	10	159.00
12453	6	10	10	40	5	105.00
12454	6	10	10	40	10	202.00
12455	8	12	10	45	5	143.00
12456	8	12	10	45	10	238.00
12457	10	14	10	50	5	172.00
12458	10	14	10	50	10	284.00
12459	13	18	10	60	5	246.00
12460	13	18	10	60	10	417.00

<sup>1</sup> at +20 °C

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Chemical Pressure Tubing**  
**Type: THOMAPLAST® CHAP 5129**
**Application areas:**

- Production engineering
- Plant construction
- Process engineering
- Process technology

**Product specification:**

- Pressure tubing made of highly flexible special silicone MVQ (polysiloxane)
- Excellent resistance to hot and cold media
- High flexibility also in the cold
- Good resistance to ozone, aging, and weather
- Good dielectric properties
- Antiadhesive surface properties



49 616



49 616

**Technical specification:**

- Liner: MVQ (polysiloxane)
- Jacket: MVQ (polysiloxane)
- Colour: inside milky-transparent, outside red
- Temperature range: -50 °C to +180 °C; for a short period +250 °C
- Insert: glass silk braiding
- Design: smooth (inside and outside)

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
49616	8.0	14.4	13	40	1	80.00
49617	8.0	14.4	13	40	3	213.00
49618	10.0	17.0	13	45	1	85.00
49619	10.0	17.0	13	45	3	228.00
49620	12.5	20.5	10	60	1	105.00
49621	12.5	20.5	10	60	3	277.00
49622	16.0	25.6	8	75	1	118.00
49623	16.0	25.6	8	75	3	317.00
49626	19.0	30.6	8	100	1	149.00
49627	19.0	30.6	8	100	3	399.00
49628	25.0	37.0	5	125	1	164.00
49629	25.0	37.0	5	125	3	438.00

<sup>1</sup> at +20 °C
**THOMAFLUID® Silicone High Temperature Chemical Pressure Tubing – flexible –**  
**Type: THOMAPLAST® CHAP 5129**
**Product specification:**

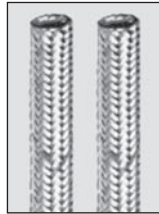
- Extremely robust and flexible pressure tubing
- High flexibility also in the cold
- Suitable for permanent high temperature applications

- Good dielectric properties
- Antiadhesive surface properties
- Very good resistance to ozone, aging, and weather
- Non-toxic, pyrogen-free

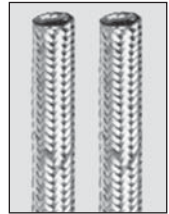
**Technical specification:**

- Material: SI (silicone rubber)
- Colour: inside milky-transparent, outside silver
- Shore hardness A: 60° ± 5° (DIN 53505)
- Temperature range: -50 °C to +190 °C, for a short time +250 °C
- Inserts: inside glass silk braiding, outside zinc-plated steel wire braiding

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO



33 4047



33 4047

334047	10	16	8	50	1	52.00
334048	10	16	8	50	3	140.00
334049	10	16	8	50	5	208.00
334050	13	19	8	70	1	62.00
334051	13	19	8	70	3	168.00
334052	13	19	8	70	5	248.00

<sup>1</sup> at +160 °C
**THOMAFLUID® High Temperature Silicone Chemical Pressure Tubing with Fabric Insert**
**Product specification:**

- Special tubing made of silicone (SI) for extreme applications with a strong braiding of highly heat-resistant glass silk, which renders the tubing (silicone core tubing) highly stable at high pressures and protects it optimally against kinking. The diamond pattern formed by the braiding angle guarantees an excellent adhesion of the silicone core tubing to the silicone jacket. Additionally, the silicone jacket protects the braiding from damage and soiling.
- Silicone high temperature chemical tubing is extruded of an especially high-grade silicone elastomer and vulcanized. The cured goods do not contain any extractable constituents, they are completely tasteless and odourless, physiologically inert and absolutely well tolerated by the body.

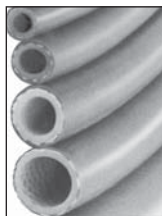
**Technical specification:**

- Silicone core tubing:
  - Shore hardness A: 60° ± 5°
  - Colour: transparent (inside), red (outside)
  - Temperature range: Class H and above up to +180 °C
  - Specific weight: 1.75 g/cm<sup>3</sup>
  - Tolerances: DIN ISO 3302-1 (DIN 7715)
  - Elongation at break: up to 300 % without fissures

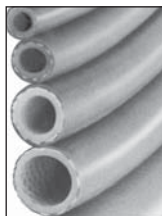
## TUBING TECHNOLOGY-ELASTOMERS

Embrittlement:	no embrittlement occurs at temperatures up to -60 °C
Breakdown strength:	10 kV/1.0 mm wall thickness; (50 Hz/+20 °C to +180 °C) after water bath
Volume resistivity:	4.2 x 10 <sup>15</sup> Ohm/cm <sup>3</sup> /+20 °C; 2.6 x 10 <sup>13</sup> Ohm/cm <sup>3</sup> /+130 °C; 5.2 x 10 <sup>12</sup> Ohm/cm <sup>3</sup> /+180 °C
Dielectric constant:	3.2/+20 °C/800 Hz; 2.9/+180 °C/800 Hz
• Silicone jacket:	
Colour:	red
Jacket:	fused with silicone core tubing
Reshaping:	almost complete
Insert:	glass silk (up to +200 °C)

Cat. No.	I. D. mm	O. D. mm	Bursting pressure <sup>1</sup> bar	Length m	Price EURO
28515	3.0	8.0	60	5	97.00
28516	3.0	8.0	60	15	223.00
28517	4.0	9.0	40	5	107.00
28518	4.0	9.0	40	15	245.00
28519	5.0	10.0	40	5	115.00
28520	5.0	10.0	40	15	254.00
28521	6.0	11.5	40	5	126.00
28522	6.0	11.5	40	15	264.00
28523	6.0	12.0	40	5	132.00
28524	6.0	12.0	40	15	269.00
28525	6.0	12.5	40	5	137.00
28526	6.0	12.5	40	15	287.00
28527	7.0	13.0	40	5	142.00
28528	7.0	13.0	40	15	295.00
28529	8.0	14.5	40	5	147.00
28530	8.0	14.5	40	15	303.00
28531	8.5	16.0	40	5	166.00
28532	8.5	16.0	40	15	331.00
28533	9.5	16.0	35	5	171.00
28534	9.5	16.0	35	15	341.00
28535	9.5	17.0	35	5	183.00
28536	9.5	17.0	35	15	366.00
28537	10.0	18.0	30	5	188.00
28538	10.0	18.0	30	15	381.00
28539	12.0	19.0	30	5	193.00
28540	12.0	19.0	30	15	395.00
28541	12.0	20.0	30	5	198.00
28542	12.0	20.0	30	15	409.00



28 515



28 516



28 845



28 846

28543	12.5	20.5	30	5	203.00
28544	12.5	20.5	30	15	419.00
28545	14.0	23.0	30	5	271.00
28546	14.0	23.0	30	15	597.00
28547	15.0	24.0	30	10	625.00
28548	16.0	25.5	30	10	669.00
28549	18.0	29.5	25	10	722.00
28550	19.0	30.5	25	10	753.00
28683	20.0	31.5	25	10	780.00
28684	22.0	33.5	15	10	840.00
28685	24.0	35.5	15	10	902.00

<sup>1</sup> at +20 °CTHOMAFLUID® Silicone Cooler Tubing  
Type: THOMAPLAST® CHAP 5126

## Product specification:

- Special silicone compound for hot water applications in engine and vehicle construction, heating engineering, and air-conditioning technology
- Pressure tubing for hot water applications
- Highest flexibility in cold
- Highest resistance to ozone, aging, and weather
- Good dielectric properties
- Antiadhesive surface properties
- Good elastic behaviour

## Technical specification:

- Material: silicone, MVQ (polysiloxane)
- Colour: green
- Temperature range: -55 °C to +200 °C
- Insert: PA-braiding
- Design: inside and outside smooth, fabric imprint

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
12485	8	18	4.5	1	77.00
12486	8	18	4.5	3	192.00
12487	10	20	4.0	1	82.00
12488	10	20	4.0	3	208.00
12489	13	23	3.5	1	90.00
12490	13	23	3.5	3	223.00
12491	16	26	3.5	1	105.00
12492	16	26	3.5	3	254.00
12493	18	28	3.0	1	131.00
12494	18	28	3.0	3	318.00
12495	19	29	2.5	1	136.00
12496	19	29	2.5	3	325.00
12497	22	32	2.5	1	144.00
12498	22	32	2.5	3	364.00
12499	25	35	2.5	1	149.00
12500	25	35	2.5	3	371.00
12501	28	36	5.5	1	190.00
12502	28	36	5.5	2	337.00
12503	32	40	5.0	1	192.00

12504	32	40	5.0	2	345.00
12505	35	43	5.0	1	197.00
12506	35	43	5.0	2	358.00
12507	38	46	5.0	1	210.00
12508	38	46	5.0	2	376.00
12509	41	49	4.5	1	215.00
12510	41	49	4.5	2	384.00
12511	45	53	4.5	1	220.00
12512	45	53	4.5	2	392.00
12513	51	59	4.0	1	233.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® Silicone Cooler Tubing**  
**Type: THOMAPLAST® CHAP 5126**

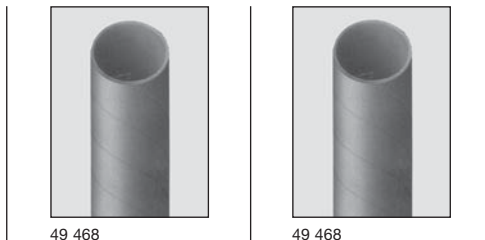
Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
12514	51	59	4.0	2	412.00
12515	54	62	4.0	1	241.00
12516	54	62	4.0	2	427.00
12517	57	65	4.0	1	251.00
12518	57	65	4.0	2	466.00
12519	60	68	3.5	1	271.00
12520	60	68	3.5	2	484.00
12521	64	72	3.5	1	286.00
12522	70	78	3.5	1	305.00
12523	76	84	3.0	0.5	187.00
12524	83	91	3.0	0.5	220.00
12525	89	97	2.5	0.5	231.00
12526	102	110	2.5	0.5	279.00

<sup>1</sup> at +100 °C
**THOMAFLUID® Silicone Turbocharger Tubing**  
**Type: THOMAPLAST® CHAP 5128**
**Application areas:**

- Production engineering
- Machine engineering
- Turbocharger
- Process engineering
- Process technology
- Hot air appliances

**Product specification:**

- Special pressure tubing
- Excellent resistance to heat and hot air
- Highest flexibility in cold
- Good resistance to ozone, aging, and weather
- Good dielectric properties
- Antiadhesive surface properties
- Good elastic behaviour

**Technical specification:**

- Material: silicone, MVQ (polysiloxane)
- Colour: red
- Temperature range: -65 °C to +260 °C
- Inserts: glass silk fabric
- Design: inside and outside smooth

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bursting pressure <sup>2</sup>	Length	Price
	mm	mm	bar	bar	m	EURO
49468	25	31	4.0	34	1	225.00

**THOMAFLUID® Silicone Turbocharger Tubing**  
**Type: THOMAPLAST® CHAP 5128**

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bursting pressure <sup>2</sup>	Length	Price
	mm	mm	bar	bar	m	EURO
49469	32	38	3.5	32	1	251.00
49470	38	44	3.5	31	1	282.00
49471	41	47	3.5	31	1	300.00
49472	44	50	3.5	28	1	315.00
49473	51	57	3.0	25	1	348.00
49474	54	60	2.5	24	1	364.00
49475	60	66	2.5	22	1	394.00
49476	64	70	2.5	22	1	417.00
49477	70	76	2.0	19	1	479.00

<sup>1</sup> at +260 °C; <sup>2</sup> at +20 °C
**THOMAFLUID® High-Tech Silicone Jacket Glass Silk Tubing**  
**Type: THOMASAFE WIB GS 2480**
**Application area:**

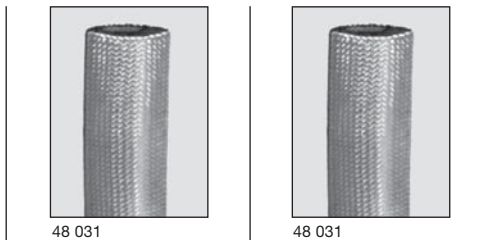
- Extremely loaded electrical insulations

**Product specification:**

- Flexible safety insulation tubing made of dense glass silk braiding with calibrated, strong silicone rubber jacket. High thermal loading capacity, self-extinguishing according to UL 94-V0. When overheated, vitrification occurs without melting and without formation of toxic gases or residues; chemically nearly inert, resistant to oxidative effects too.

**Technical specification:**

- Colour: black
- Temperature range: +180 °C, for a short period +200 °C
- Insulation class according to VDE: H
- Electrical breakdown strength: 2.5 kV



Cat. No.	I. D.	O. D.	Wall thickness	Length	Price
	mm	mm	mm	m	EURO
48031	3	4.2 ±0.3	0.6	5	29.00
48032	3	4.2 ±0.3	0.6	10	44.00
48033	3	4.2 ±0.3	0.6	30	121.00
48034	6	7.2 ±0.3	0.6	5	46.00
48035	6	7.2 ±0.3	0.6	10	82.00
48036	6	7.2 ±0.3	0.6	30	200.00
48037	8	9.4 ±0.3	0.7	5	64.00
48038	8	9.4 ±0.3	0.7	10	116.00
48039	8	9.4 ±0.3	0.7	30	279.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Glass Fabric Tubing with Silicone Rubber Coating**  
**Type: THOMASAFE DKA SKGD**
**Application areas:**

- Highly stress-resistant electrical insulation tubing
- Insulation of bus bars and bus connections
- Coating over thermal fuses in electric stoves
- Cable assembly
- Insulation of soldered split sites on cables
- As replacement for insulating and wrapping tapes
- For unequally formed and hardly isolable parts
- For acoustic insulation, e.g. on self-supporting car body panels

**Product specification:**

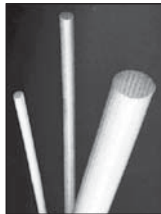
- The highly flexible insulating tubing adapts problem-free to varying shapes without the need for heat for reduction of diameter, as in case of shrinkable tubing.
- The glass fabric tubing with silicone rubber coating has simply to be fitted over the object to be jacketed.
- The expansion (expansion factor) reaches double the standard inside diameter. A tubing with inside diameter of 6 mm has an application range of 6-12 mm.
- Good compatibility with all commercial impregnating resins and lacquers.
- Resistant to hydrocarbons
- No chemical changes after 336 hrs at +70 °C
- Resistance to oil: 96 h at +100 °C in ASTM Oil No 2: 14000 V; 1440 h at +80 °C in ASTM Oil No 2: 13200 V

**Technical specification:**

- Material: glass fabric, silicone coated
- Colour: black
- Temperature range: -60 °C to +200 °C; for a short period +265 °C
- Strain rate: 1:2, highly flexible with extreme mechanical stability
- Approbation: according to UL and C-UL (UL-listed)
- Approvals: UL and C-UL-File-Nbr. E 121222
- Flame class: according to UL 1441, VW-1



33 1765



33 1765

- Voltage strength: according to UL minimum 5.0 kV; nominal 9.0 kV
- Special data:
  - Operating voltage: 600 V
  - Before thermal aging: 13.9 kV
  - After 7 days at +265 °C: 15.3 kV
  - After 60 days at +265 °C: 16.0 kV
  - Tubing stretched to double its nominal width: 8.7 kV

**THOMAFLUID® High-Tech Glass Fabric Tubing with Silicone Rubber Coating**  
**Type: THOMASAFE DKA SKGD**

Cat. No.	I. D. nominal mm	Tolerance mm	I. D. stretched mm	Wall thickness mm	Length m	Price EURO
331765	2	±0.2	4	0.64	5	48.00
331766	2	±0.2	4	0.64	15	124.00
331767	3	±0.2	6	0.64	5	62.00
331768	3	±0.2	6	0.64	15	162.00
331769	4	±0.25	8	0.64	5	76.00
331770	4	±0.25	8	0.64	15	184.00
331771	6	±0.25	12	0.76	5	96.00
331772	6	±0.25	12	0.76	15	242.00
331773	8	±0.25	16	0.76	5	106.00
331774	8	±0.25	16	0.76	15	252.00
331775	10	±0.5	20	0.90	5	122.00
331776	10	±0.5	20	0.90	15	284.00
331777	12	±0.5	24	0.90	5	132.00
331778	12	±0.5	24	0.90	15	304.00
331779	14	±0.5	28	0.90	5	142.00
331780	14	±0.5	28	0.90	15	316.00
331781	16	±1.0	32	0.90	5	156.00
331782	16	±1.0	32	0.90	15	336.00

**THOMAFLUID® High-Tech Glass Fabric Tubing with Acrylic Lacquer Coating**  
**Type: THOMASAFE DKA VAC**
**Application areas:**

- Insulation of lines, cables and connections in the areas of mechanical engineering, engine and transformer construction

**Product specification:**

- Protective tubing for standard applications
- Best chemical resistance
- Remarkable voltage strength of averagely 9 kV
- Chemical resistance: compatible with the most insulating and impregnating resins

**Technical specification:**

- Material: glass fabric tubing, acrylic resin coated
- Colour: natural, black, red, blue, yellow, green, orange, violet
- Temperature range: -25 °C to +155 °C
- Thermal class: F
- Approval: according to UL (UL-listed)
- Flame resistance: according to UL 1441 (horizontal) and IEC 684, Part 2 Clause 26 (Method A, vertical)
- Voltage strength: min. 5.0 kV (DIN 40620); but nom. 9.0 kV
- Breakdown strength: 9.0 kV according to UL 1441; 7.0 kV according to IEC 684-3; paper 403-05 (average value); 6.0 kV according to IEC 684-3; paper 403-05 (average value)



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
331783	0.5	+0.15	0.28	nat./white	5	30.00
331784	0.5	+0.15	0.28	nat./white	15	80.00
331785	0.5	+0.15	0.28	black	5	30.00
331786	0.5	+0.15	0.28	black	15	80.00
331787	0.5	+0.15	0.28	red	5	30.00
331788	0.5	+0.15	0.28	red	15	80.00
331789	0.5	+0.15	0.28	blue	5	30.00
331790	0.5	+0.15	0.28	blue	15	80.00
331791	0.5	+0.15	0.28	yellow	5	30.00
331792	0.5	+0.15	0.28	yellow	15	80.00
331793	0.5	+0.15	0.28	green	5	30.00
331794	0.5	+0.15	0.28	green	15	80.00
331795	0.5	+0.15	0.28	orange	5	30.00
331796	0.5	+0.15	0.28	orange	15	80.00
331797	0.5	+0.15	0.28	violet	5	30.00
331798	0.5	+0.15	0.28	violet	15	80.00
331799	1.0	+0.20	0.38	nat./white	5	34.00
331800	1.0	+0.20	0.38	nat./white	15	90.00
331801	1.0	+0.20	0.38	black	5	34.00
331802	1.0	+0.20	0.38	black	15	90.00
331803	1.0	+0.20	0.38	red	5	34.00
331804	1.0	+0.20	0.38	red	15	90.00
331805	1.0	+0.20	0.38	blue	5	34.00
331806	1.0	+0.20	0.38	blue	15	90.00
331807	1.0	+0.20	0.38	yellow	5	34.00
331808	1.0	+0.20	0.38	yellow	15	90.00
331809	1.0	+0.20	0.38	green	5	34.00
331810	1.0	+0.20	0.38	green	15	90.00
331811	1.0	+0.20	0.38	orange	5	34.00
331812	1.0	+0.20	0.38	orange	15	90.00
331813	1.0	+0.20	0.38	violet	5	34.00
331814	1.0	+0.20	0.38	violet	15	90.00
331815	1.5	+0.25	0.38	nat./white	5	38.00



33 1783



33 1827

331816	1.5	+0.25	0.38	nat./white	15	106.00
331817	1.5	+0.25	0.38	black	5	38.00
331818	1.5	+0.25	0.38	black	15	106.00
331819	1.5	+0.25	0.38	red	5	38.00
331820	1.5	+0.25	0.38	red	15	106.00
331821	1.5	+0.25	0.38	blue	5	38.00
331822	1.5	+0.25	0.38	blue	15	106.00
331823	1.5	+0.25	0.38	yellow	5	38.00
331824	1.5	+0.25	0.38	yellow	15	106.00
331825	1.5	+0.25	0.38	green	5	38.00
331826	1.5	+0.25	0.38	green	15	106.00

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
331827	1.5	+0.25	0.38	orange	5	38.00
331828	1.5	+0.25	0.38	orange	15	106.00
331829	1.5	+0.25	0.38	violet	5	38.00
331830	1.5	+0.25	0.38	violet	15	106.00
331831	2.0	+0.25	0.35	nat./white	5	44.00
331832	2.0	+0.25	0.35	nat./white	15	120.00
331833	2.0	+0.25	0.35	black	5	44.00
331834	2.0	+0.25	0.35	black	15	120.00
331835	2.0	+0.25	0.35	red	5	44.00
331836	2.0	+0.25	0.35	red	15	120.00
331837	2.0	+0.25	0.35	blue	5	44.00
331838	2.0	+0.25	0.35	blue	15	120.00
331839	2.0	+0.25	0.35	yellow	5	44.00
331840	2.0	+0.25	0.35	yellow	15	120.00
331841	2.0	+0.25	0.35	green	5	44.00
331842	2.0	+0.25	0.35	green	15	120.00
331843	2.0	+0.25	0.35	orange	5	44.00
331844	2.0	+0.25	0.35	orange	15	120.00
331845	2.0	+0.25	0.35	violet	5	44.00
331846	2.0	+0.25	0.35	violet	15	120.00
331847	2.5	+0.30	0.46	nat./white	5	46.00
331848	2.5	+0.30	0.46	nat./white	15	124.00
331849	2.5	+0.30	0.46	black	5	46.00
331850	2.5	+0.30	0.46	black	15	124.00
331851	2.5	+0.30	0.46	red	5	46.00
331852	2.5	+0.30	0.46	red	15	124.00
331853	2.5	+0.30	0.46	blue	5	46.00
331854	2.5	+0.30	0.46	blue	15	124.00
331855	2.5	+0.30	0.46	yellow	5	46.00
331856	2.5	+0.30	0.46	yellow	15	124.00
331857	2.5	+0.30	0.46	green	5	46.00
331858	2.5	+0.30	0.46	green	15	124.00
331859	2.5	+0.30	0.46	orange	5	46.00
331860	2.5	+0.30	0.46	orange	15	124.00
331861	2.5	+0.30	0.46	violet	5	46.00
331862	2.5	+0.30	0.46	violet	15	124.00
331863	3.0	+0.30	0.46	nat./white	5	50.00
331864	3.0	+0.30	0.46	nat./white	15	130.00
331865	3.0	+0.30	0.46	black	5	50.00
331866	3.0	+0.30	0.46	black	15	130.00
331867	3.0	+0.30	0.46	red	5	50.00
331868	3.0	+0.30	0.46	red	15	130.00
331869	3.0	+0.30	0.46	blue	5	50.00
331870	3.0	+0.30	0.46	blue	15	130.00
331871	3.0	+0.30	0.46	yellow	5	50.00
331872	3.0	+0.30	0.46	yellow	15	130.00
331873	3.0	+0.30	0.46	green	5	50.00
331874	3.0	+0.30	0.46	green	15	130.00
331875	3.0	+0.30	0.46	orange	5	50.00
331876	3.0	+0.30	0.46	orange	15	130.00
331877	3.0	+0.30	0.46	violet	5	50.00
331878	3.0	+0.30	0.46	violet	15	130.00
331879	3.5	+0.30	0.46	nat./white	5	54.00
331880	3.5	+0.30	0.46	nat./white	15	144.00
331881	3.5	+0.30	0.46	black	5	54.00
331882	3.5	+0.30	0.46	black	15	144.00
331883	3.5	+0.30	0.46	red	5	54.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
331884	3.5	+0.30	0.46	red	15	144.00
331885	3.5	+0.30	0.46	blue	5	54.00
331886	3.5	+0.30	0.46	blue	15	144.00
331887	3.5	+0.30	0.46	yellow	5	54.00
331888	3.5	+0.30	0.46	yellow	15	144.00
331889	3.5	+0.30	0.46	green	5	54.00
331890	3.5	+0.30	0.46	green	15	144.00
331891	3.5	+0.30	0.46	orange	5	54.00
331892	3.5	+0.30	0.46	orange	15	144.00
331893	3.5	+0.30	0.46	violet	5	54.00
331894	3.5	+0.30	0.46	violet	15	144.00
331895	4.0	+0.40	0.51	nat./white	5	58.00
331896	4.0	+0.40	0.51	nat./white	15	156.00
331897	4.0	+0.40	0.51	black	5	58.00
331898	4.0	+0.40	0.51	black	15	156.00
331899	4.0	+0.40	0.51	red	5	58.00
331900	4.0	+0.40	0.51	red	15	156.00
331901	4.0	+0.40	0.51	blue	5	58.00
331902	4.0	+0.40	0.51	blue	15	156.00
331903	4.0	+0.40	0.51	yellow	5	58.00
331904	4.0	+0.40	0.51	yellow	15	156.00
331905	4.0	+0.40	0.51	green	5	58.00
331906	4.0	+0.40	0.51	green	15	156.00
331907	4.0	+0.40	0.51	orange	5	58.00
331908	4.0	+0.40	0.51	orange	15	156.00
331909	4.0	+0.40	0.51	violet	5	58.00
331910	4.0	+0.40	0.51	violet	15	156.00
331911	4.5	+0.40	0.51	nat./white	5	62.00
331912	4.5	+0.40	0.51	nat./white	15	166.00
331913	4.5	+0.40	0.51	black	5	62.00
331914	4.5	+0.40	0.51	black	15	166.00
331915	4.5	+0.40	0.51	red	5	62.00
331916	4.5	+0.40	0.51	red	15	166.00



28 843



28 846

331917	4.5	+0.40	0.51	blue	5	62.00
331918	4.5	+0.40	0.51	blue	15	166.00
331919	4.5	+0.40	0.51	yellow	5	62.00
331920	4.5	+0.40	0.51	yellow	15	166.00
331921	4.5	+0.40	0.51	green	5	62.00
331922	4.5	+0.40	0.51	green	15	166.00
331923	4.5	+0.40	0.51	orange	5	62.00
331924	4.5	+0.40	0.51	orange	15	166.00
331925	4.5	+0.40	0.51	violet	5	62.00
331926	4.5	+0.40	0.51	violet	15	166.00
331927	5.0	+0.50	0.51	nat./white	5	66.00

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
331928	5.0	+0.50	0.51	nat./white	15	172.00
331929	5.0	+0.50	0.51	black	5	66.00
331930	5.0	+0.50	0.51	black	15	172.00
331931	5.0	+0.50	0.51	red	5	66.00
331932	5.0	+0.50	0.51	red	15	172.00
331933	5.0	+0.50	0.51	blue	5	66.00
331934	5.0	+0.50	0.51	blue	15	172.00
331935	5.0	+0.50	0.51	yellow	5	66.00
331936	5.0	+0.50	0.51	yellow	15	172.00
331937	5.0	+0.50	0.51	green	5	66.00
331938	5.0	+0.50	0.51	green	15	172.00
331939	5.0	+0.50	0.51	orange	5	66.00
331940	5.0	+0.50	0.51	orange	15	172.00
331941	5.0	+0.50	0.51	violet	5	66.00
331942	5.0	+0.50	0.51	violet	15	172.00
331943	6.0	+0.50	0.51	nat./white	5	68.00
331944	6.0	+0.50	0.51	nat./white	15	178.00
331945	6.0	+0.50	0.51	black	5	68.00
331946	6.0	+0.50	0.51	black	15	178.00
331947	6.0	+0.50	0.51	red	5	68.00
331948	6.0	+0.50	0.51	red	15	178.00
331949	6.0	+0.50	0.51	blue	5	68.00
331950	6.0	+0.50	0.51	blue	15	178.00
331951	6.0	+0.50	0.51	yellow	5	68.00
331952	6.0	+0.50	0.51	yellow	15	178.00
331953	6.0	+0.50	0.51	green	5	68.00
331954	6.0	+0.50	0.51	green	15	178.00
331955	6.0	+0.50	0.51	orange	5	68.00
331956	6.0	+0.50	0.51	orange	15	178.00
331957	6.0	+0.50	0.51	violet	5	68.00
331958	6.0	+0.50	0.51	violet	15	178.00
331959	7.0	+0.50	0.51	nat./white	5	78.00
331960	7.0	+0.50	0.51	nat./white	15	204.00
331961	7.0	+0.50	0.51	black	5	78.00
331962	7.0	+0.50	0.51	black	15	204.00
331963	7.0	+0.50	0.51	red	5	78.00
331964	7.0	+0.50	0.51	red	15	204.00
331965	7.0	+0.50	0.51	blue	5	78.00
331966	7.0	+0.50	0.51	blue	15	204.00
331967	7.0	+0.50	0.51	yellow	5	78.00
331968	7.0	+0.50	0.51	yellow	15	204.00
331969	7.0	+0.50	0.51	green	5	78.00
331970	7.0	+0.50	0.51	green	15	204.00
331971	7.0	+0.50	0.51	orange	5	78.00
331972	7.0	+0.50	0.51	orange	15	204.00
331973	7.0	+0.50	0.51	violet	5	78.00
331974	7.0	+0.50	0.51	violet	15	204.00
331975	8.0	+0.50	0.64	nat./white	5	84.00
331976	8.0	+0.50	0.64	nat./white	15	216.00
331977	8.0	+0.50	0.64	black	5	84.00
331978	8.0	+0.50	0.64	black	15	216.00
331979	8.0	+0.50	0.64	red	5	84.00
331980	8.0	+0.50	0.64	red	15	216.00
331981	8.0	+0.50	0.64	blue	5	84.00
331982	8.0	+0.50	0.64	blue	15	216.00
331983	8.0	+0.50	0.64	yellow	5	84.00
331984	8.0	+0.50	0.64	yellow	15	216.00
331985	8.0	+0.50	0.64	green	5	84.00

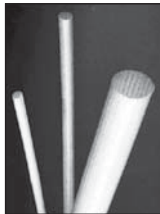
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
331986	8.0	+0.50	0.64	green	15	216.00
331987	8.0	+0.50	0.64	orange	5	84.00
331988	8.0	+0.50	0.64	orange	15	216.00
331989	8.0	+0.50	0.64	violet	5	84.00
331990	8.0	+0.50	0.64	violet	15	216.00
331991	9.0	+0.60	0.64	nat./white	5	98.00
331992	9.0	+0.60	0.64	nat./white	15	248.00
331993	9.0	+0.60	0.64	black	5	98.00
331994	9.0	+0.60	0.64	black	15	248.00
331995	9.0	+0.60	0.64	red	5	98.00
331996	9.0	+0.60	0.64	red	15	248.00
331997	9.0	+0.60	0.64	blue	5	98.00
331998	9.0	+0.60	0.64	blue	15	248.00
331999	9.0	+0.60	0.64	yellow	5	98.00
332000	9.0	+0.60	0.64	yellow	15	248.00
332001	9.0	+0.60	0.64	green	5	98.00
332002	9.0	+0.60	0.64	green	15	248.00
332003	9.0	+0.60	0.64	orange	5	98.00
332004	9.0	+0.60	0.64	orange	15	248.00
332005	9.0	+0.60	0.64	violet	5	98.00
332006	9.0	+0.60	0.64	violet	15	248.00
332007	10.0	+0.60	0.64	nat./white	5	106.00
332008	10.0	+0.60	0.64	nat./white	15	266.00
332009	10.0	+0.60	0.64	black	5	106.00
332010	10.0	+0.60	0.64	black	15	266.00
332011	10.0	+0.60	0.64	red	5	106.00
332012	10.0	+0.60	0.64	red	15	266.00
332013	10.0	+0.60	0.64	blue	5	106.00
332014	10.0	+0.60	0.64	blue	15	266.00
332015	10.0	+0.60	0.64	yellow	5	106.00
332016	10.0	+0.60	0.64	yellow	15	266.00
332017	10.0	+0.60	0.64	green	5	106.00
332018	10.0	+0.60	0.64	green	15	266.00



33 1986



33 1986

332019	10.0	+0.60	0.64	orange	5	106.00
332020	10.0	+0.60	0.64	orange	15	266.00
332021	10.0	+0.60	0.64	violet	5	106.00
332022	10.0	+0.60	0.64	violet	15	266.00
332023	12.0	+0.60	0.64	nat./white	5	118.00
332024	12.0	+0.60	0.64	nat./white	15	288.00
332025	12.0	+0.60	0.64	black	5	118.00
332026	12.0	+0.60	0.64	black	15	288.00
332027	12.0	+0.60	0.64	red	5	118.00
332028	12.0	+0.60	0.64	red	15	288.00

**THOMAFLUID® High-Tech Glass Fabric  
Tubing with Acrylic Lacquer Coating  
Type: THOMASAFE DKA VAC**

Cat. No.	I. D. mm	Tolerance mm	Wall thickness mm	Colour	Length m	Price EURO
332029	12.0	+0.60	0.64	blue	5	118.00
332030	12.0	+0.60	0.64	blue	15	288.00
332031	12.0	+0.60	0.64	yellow	5	118.00
332032	12.0	+0.60	0.64	yellow	15	288.00
332033	12.0	+0.60	0.64	green	5	118.00
332034	12.0	+0.60	0.64	green	15	288.00
332035	12.0	+0.60	0.64	orange	5	118.00
332036	12.0	+0.60	0.64	orange	15	288.00
332037	12.0	+0.60	0.64	violet	5	118.00
332038	12.0	+0.60	0.64	violet	15	288.00

**THOMAFLUID® High-Tech Glass Silk  
Heat Protective Tubing  
Type: THOMAPLAST® CHAP 5180**
**Application areas:**

- Extremely loaded electrical insulation
- Fire protecting jacket for highest load

**Product specification:**

- Protective tubing made of ceramic-impregnated glass silk braiding

**Technical specification:**

- Colour: black
- Temperature range: up to +450 °C
- Insulation class according to VDE: H

Cat. No.	For tubing O. D. mm	Length m	Price EURO
10006	16-23	2	44.00
10007	16-23	6	100.00
10008	25-32	2	49.00
10009	25-32	6	116.00
10010	32-45	2	59.00
10011	32-45	6	141.00
10012	45-60	2	72.00
10013	45-60	6	172.00

**THOMAFLUID® High-Tech Silicone  
Insulating Tubing  
Type: RCT® LEZ**
**Product specification:**

- Silicone foam tubing for thermal insulation with lowest thermal conductivity
- High reduction of energy loss
- Extremely flexible
- Fine-pored closed cells with skin (inside and outside)
- Good elongation at break

## TUBING TECHNOLOGY-ELASTOMERS

- Strong elastic force

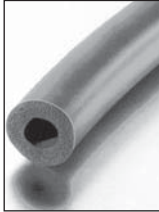
**Technical specification:**

- Material: silicone rubber (foamed, closed-cell)
- Colour: red-brown
- Shore hardness A: 15° ± 5°
- Temperature range: -50 °C to +200 °C
- Density: 0.25 g/cm³

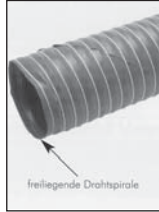
Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
338717	8	16	4.0	5	175.00
338718	8	16	4.0	15	420.00
338719	8	24	8.0	5	200.00
338720	8	24	8.0	15	480.00
338721	12	28	8.0	5	262.00
338722	12	28	8.0	15	630.00



33 8717



83 8717



33 0209



33 0209

338723	15	35	10.0	5	325.00
338724	15	35	10.0	15	780.00
338725	20	40	10.0	5	348.00
338726	20	40	10.0	15	814.00
338727	22	42	10.0	5	360.00
338728	22	42	10.0	15	840.00
338729	25	45	10.0	5	416.00
338730	25	45	10.0	15	972.00
338731	28	48	10.0	5	450.00
338732	28	48	10.0	15	1050.00

### THOMAFLUID® High-Tech Silicone Hot Air Tubing

Type: THOMAPLAST® LDE 195

**Product specification:**

- Highest flexibility and elasticity at constant mechanical strength
- Robust type
- Suitable for vacuum applications
- Good abrasion resistance
- Even at highest temperatures, no changes occur in the properties of material
- Tubing made of an especially high-grade silicone-coated glass fabric
- Good resistance to ozone, aging, and weather

**Technical specification:**

- Material: silicone-coated glass fabric
- Colour: red
- Temperature range: -85 °C to +310 °C
- Inserts: inlying spring coil
- Option: ex factory extension of the max. production units (4 m) possible by splicing

### THOMAFLUID® High-Tech Silicone Hot Air Tubing

## Type: THOMAPLAST® LDE 195

Cat. No.	I. D. mm	Max. operating pressure <sup>1</sup> bar	Vacuum water column mm	Length m	Price EURO
330209	13.0	1.8	5800	1	130.00
330210	13.0	1.8	5800	2	208.00
330211	13.0	1.8	5800	4	312.00
330212	19.0	1.5	5300	1	140.00
330213	19.0	1.5	5300	2	224.00
330214	19.0	1.5	5300	4	336.00
330215	25.0	1.4	5300	1	146.00
330216	25.0	1.4	5300	2	234.00

330217	25.0	1.4	5300	4	352.00
330218	32.0	1.4	5000	1	150.00
330219	32.0	1.4	5000	2	242.00
330220	32.0	1.4	5000	4	360.00
330221	38.0	1.4	5000	1	156.00
330222	38.0	1.4	5000	2	250.00
330223	38.0	1.4	5000	4	374.00
330224	44.0	1.2	4400	1	164.00
330225	44.0	1.2	4400	2	258.00
330226	44.0	1.2	4400	4	386.00
330227	51.0	1.2	4400	1	166.00
330228	51.0	1.2	4400	2	262.00
330229	51.0	1.2	4400	4	392.00
330230	63.0	1.1	4000	1	172.00
330231	63.0	1.1	4000	2	274.00
330232	63.0	1.1	4000	4	410.00
330233	70.0	1.1	3500	1	174.00
330234	70.0	1.1	3500	2	278.00
330235	70.0	1.1	3500	4	418.00
330236	76.0	1.0	3500	1	178.00
330237	76.0	1.0	3500	2	286.00
330238	76.0	1.0	3500	4	428.00
330239	83.0	1.0	3000	1	184.00
330240	83.0	1.0	3000	2	294.00
330241	83.0	1.0	3000	4	440.00
330242	89.0	0.9	2950	1	186.00
330243	89.0	0.9	2950	2	298.00
330244	89.0	0.9	2950	4	444.00
330245	95.0	0.9	2700	1	190.00
330246	95.0	0.9	2700	2	302.00
330247	95.0	0.9	2700	4	454.00
330248	102.0	0.9	2600	4	454.00
330249	114.0	0.8	2100	4	466.00
330250	127.0	0.8	1700	4	608.00
330251	152.0	0.6	1400	4	608.00
330252	178.0	0.6	1000	4	852.00
330253	203.0	0.5	700	4	944.00
330254	254.0	0.4	500	4	1128.00
330255	305.0	0.1	300	4	1288.00

<sup>1</sup> at +20 °C

## TUBING TECHNOLOGY-ELASTOMERS

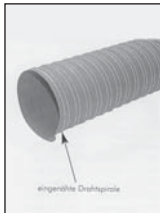
**THOMAFLUID® High-Tech Silicone  
Double-Wall Jacket Hot Air Tubing  
Type: THOMAPLAST® LDE 195**
**Product specification:**

- Highest flexibility and elasticity at constant mechanical strength
- Good abrasion resistance
- Robust type
- Even at highest temperatures, no changes occur in the properties of material
- Suitable for vacuum applications
- Tubing made of an especially high-grade silicone-coated glass fabric
- Good resistance to ozone, aging, and weather

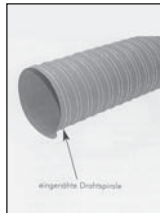
**Technical specification:**

- Material: silicone-coated glass fabric
- Colour: red
- Temperature range: -85 °C to +310 °C
- Inserts: inlying spring coil and additional inner liner, thus, the tubing is smooth inside
- Option: ex factory extension of the max. production units (4 m) possible by splicing

Cat. No.	I. D. mm	Max. operating pressure <sup>1</sup> bar	Vacuum water column mm	Length m	Price EURO
330256	19.0	2.5	7000	1	156.00
330257	19.0	2.5	7000	2	256.00
330258	19.0	2.5	7000	4	366.00
330259	25.0	2.5	7000	1	158.00
330260	25.0	2.5	7000	2	256.00
330261	25.0	2.5	7000	4	366.00
330262	32.0	2.5	5800	1	158.00
330263	32.0	2.5	5800	2	256.00
330264	32.0	2.5	5800	4	366.00
330265	38.0	2.4	5800	1	168.00
330266	38.0	2.4	5800	2	276.00
330267	38.0	2.4	5800	4	404.00
330268	44.0	2.4	5800	1	180.00



33 0256



33 0256

**THOMAFLUID® High-Tech Silicone  
Double-Wall Jacket Hot Air Tubing  
Type: THOMAPLAST® LDE 195**

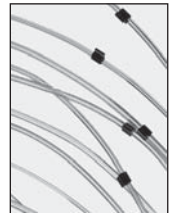
Cat. No.	I. D. mm	Max. operating pressure <sup>1</sup> bar	Vacuum water column mm	Length m	Price EURO
330279	70.0	2.2	4600	4	502.00
330280	76.0	2.1	4400	1	222.00
330281	76.0	2.1	4400	2	356.00
330282	76.0	2.1	4400	4	534.00
330283	83.0	2.1	4000	1	232.00
330284	83.0	2.1	4000	2	372.00
330285	83.0	2.1	4000	4	564.00
330286	89.0	2.1	4000	1	232.00
330287	89.0	2.1	4000	2	372.00
330288	89.0	2.1	4000	4	564.00
330289	95.0	2.0	4000	1	258.00
330290	95.0	2.0	4000	2	412.00
330291	95.0	2.0	4000	4	620.00
330292	102.0	1.8	3500	4	650.00
330293	114.0	1.7	2800	4	682.00
330294	127.0	1.5	2100	4	766.00
330295	152.0	1.1	1700	4	866.00
330296	178.0	0.8	1400	4	1056.00
330297	203.0	0.6	1000	4	1172.00
330298	254.0	0.4	700	4	1576.00
330299	305.0	0.2	500	4	1804.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Tubing**
**THOMAFLUID® PVC Precision Pump  
Tubing with Two Stoppers (cross-linked)  
System: THOMACHEM R 3603**
**Product specification:**

- For peristaltic pumps with tubing cassettes.



43 710 (voir page 35)



43 710 (voir page 35)

330269	44.0	2.4	5800	2	294.00
330270	44.0	2.4	5800	4	430.00
330271	51.0	2.4	5300	1	180.00
330272	51.0	2.4	5300	2	294.00
330273	51.0	2.4	5300	4	430.00
330274	63.0	2.2	4600	1	196.00
330275	63.0	2.2	4600	2	314.00
330276	63.0	2.2	4600	4	472.00
330277	70.0	2.2	4600	1	210.00
330278	70.0	2.2	4600	2	334.00

- Durable precision pump tubing for routine use, made of dimensionally stable, cross-linked PVC for conveyance of aqueous media in the range of pH 1 to 10; fitted with two involved stoppers each for mounting in tubing cassettes; colour-coded for clearly organized use.
- Usual applications in laboratories, non-toxic, non-aging, non-oxidizing, autoclavable.
- Good resistance to acids and alkalis.

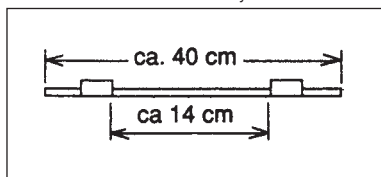
**Technical specification:**

- Material: PVC, cross-linked (polyvinyl chloride)

## TUBING TECHNOLOGY-ELASTOMERS

- Colour: crystal-clear
- Shore hardness A: 55° ± 5° (DIN 53505)
- Temperature range: -45 °C to +65 °C (for a short period +85 °C)
- Autoclavable: 30 min. max. at +121 °C at 1 bar pressure
- Fixed length: 406,5 mm from end to end; with 2 coding riders, distance between the riders 154 mm

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43710	0.19	2.01	0.91	orange/red	6	63.00
43711	0.25	2.07	0.91	orange/blue	6	63.00
43712	0.38	2.20	0.91	orange/green	6	63.00
43713	0.44	2.26	0.91	green/yellow	6	63.00
43714	0.51	2.21	0.85	orange/yellow	6	63.00
43715	0.57	2.27	0.85	white/yellow	6	63.00

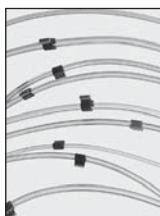


43 710

43716	0.64	2.44	0.90	orange/white	6	63.00
43717	0.76	2.36	0.80	black	6	63.00
43718	0.89	2.49	0.80	orange	6	63.00
43719	0.95	2.75	0.90	white/black	6	63.00
43720	1.02	2.72	0.85	white	6	63.00
43721	1.09	2.69	0.80	white/red	6	63.00
43722	1.14	2.74	0.80	red	6	63.00
43723	1.22	2.82	0.80	red/grey	6	63.00
43724	1.30	2.80	0.75	grey	6	63.00
43725	1.42	3.02	0.80	yellow	6	63.00
43726	1.52	3.02	0.75	yellow/blue	6	63.00
43727	1.65	3.25	0.80	blue	6	63.00
43728	1.75	3.35	0.75	blue/green	6	63.00
43729	1.85	3.55	0.85	green	6	63.00
43730	2.06	3.66	0.80	violet	6	63.00
43731	2.29	3.99	0.85	violet/black	6	63.00
43732	2.54	4.14	0.80	violet/orange	6	63.00
43733	2.79	4.59	0.90	violet/white	6	63.00

- Colour: yellow
- Shore hardness A: 55° ± 5° (DIN 53505)
- Temperature range: -12 °C to +65 °C
- Autoclavable: 30 min. max. at +121 °C at 1 bar pressure
- Fixed length: 406.5 mm from end to end; with 2 coding riders, distance between the riders 154 mm

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
27108	0.25	2.07	orange/blue	6	87.00
27109	0.25	2.07	orange/blue	12	156.00
27112	0.51	2.19	orange/yellow	6	87.00
27113	0.51	2.19	orange/yellow	12	156.00
27114	0.64	2.32	orange/white	6	87.00

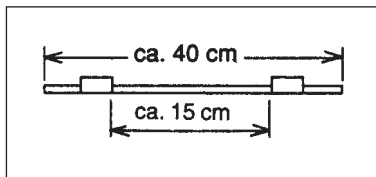


27 108



27 108

27115	0.64	2.32	orange/white	12	156.00
27118	0.89	2.57	orange	6	87.00
27119	0.89	2.57	orange	12	156.00
27120	1.02	2.70	white	6	87.00
27121	1.02	2.70	white	12	156.00
27122	1.14	2.82	red	6	87.00
27123	1.14	2.82	red	12	156.00
27029	1.30	2.98	grey	6	87.00
27030	1.30	2.98	grey	12	156.00
27031	1.42	3.10	yellow	6	87.00
27032	1.42	3.10	yellow	12	156.00
27033	1.52	3.20	yellow/blue	6	87.00



27 108

### THOMAFLUID® PVC Precision Pump Tubing with Two Stoppers (cross-linked) System: THOMACHEM Special Solvent-Resistant

#### Product specification:

- Durable precision pump tubing for routine use, made of dimensionally stable, cross-linked PVC for conveyance of aqueous media in the range of pH 1 to 10; fitted with two involved stoppers each for mounting in tubing cassettes; colour-coded for clearly organized use.
- For peristaltic pumps with tubing cassettes.
- Especially suitable for hydrocarbons such as gasolines, oils, kerosines
- Not suitable for strong acids/alkalis

#### Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)

27034	1.52	3.20	yellow/blue	12	156.00
27035	1.65	3.33	blue	6	87.00
27036	1.65	3.33	blue	12	156.00
27037	1.86	3.54	green	6	87.00
27038	1.86	3.54	green	12	156.00
27039	2.06	3.74	violet	6	87.00
27040	2.06	3.74	violet	12	156.00
27041	2.29	3.97	violet/black	6	87.00
27042	2.29	3.97	violet/black	12	156.00
27043	2.54	4.22	violet/orange	6	87.00
27044	2.54	4.22	violet/orange	12	156.00

### THOMAFLUID® PVC Precision Pump Tubing with Three Stoppers (cross-linked)

System: THOMACHEM-R-3603/AME

#### Product specification:

- Durable precision pump tubing for routine use, made of dimensionally stable, cross-linked PVC for conveyance of aqueous media in the range of pH 1 to 10; fitted with three involved stoppers each for mounting in mini tubing cassettes; double working time due to twofold usability of the tubing; colour-coded for clearly organized use.
- Application-oriented, precision adjusted inside diameters from 0.19 to 2.79 mm; total length: 40 cm; distance between stoppers: approx. 7 cm; distance between the two outer stoppers: approx. 15 cm; delivered as package of 6 pieces each.

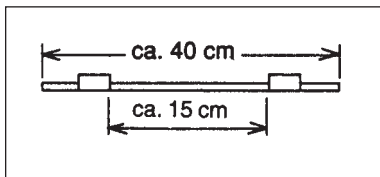


43 734



27 047

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43734	0.19	1.99	0.90	orange/red	6	66.00
43735	0.25	2.05	0.90	orange/blue	6	66.00
43736	0.38	2.18	0.90	orange/green	6	66.00
43737	0.44	2.24	0.90	green/yellow	6	66.00
43738	0.51	2.21	0.85	orange/yellow	5	66.00
43739	0.57	2.27	0.85	white/yellow	6	66.00
43740	0.64	2.44	0.90	orange/white	6	66.00
43741	0.76	2.36	0.80	black	6	66.00
43742	0.89	2.49	0.80	orange	6	66.00
43743	0.95	2.75	0.90	white/black	6	66.00



43 734

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43744	1.02	2.72	0.85	white	6	66.00
43745	1.09	2.69	0.80	white/red	6	66.00
43746	1.14	2.74	0.80	red	6	66.00
43747	1.22	2.82	0.80	red/grey	6	66.00
43748	1.30	2.80	0.75	grey	6	66.00
43749	1.42	3.02	0.80	yellow	6	66.00
43750	1.52	3.02	0.75	yellow/blue	6	66.00
43751	1.65	3.25	0.80	blue	6	66.00
43752	1.75	3.35	0.75	blue/green	6	66.00
43753	1.85	3.55	0.85	green	6	66.00
43754	2.06	3.66	0.80	violet	6	66.00
43755	2.29	3.99	0.85	violet/black	6	66.00
43756	2.54	4.14	0.80	violet/orange	6	66.00
43757	2.79	4.59	0.90	violet/white	6	66.00

### THOMAFLUID® PVC Micro Special Analytical Tubing (cross-linked)

#### Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Shore hardness A: 55° ± 3° according to DIN 53505
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	For needle gauge	Length m	Price EURO
94066	0.25	0.76	0.25	30	30	246.00
94067	0.51	1.52	0.51	23	30	266.00
94068	0.76	2.29	0.76	20-21	30	328.00
94069	1.02	1.78	0.38	18-20	30	338.00
94070	1.27	2.29	0.51	17-18	30	348.00

### THOMAFLUID® PVC Micro Precision Pump Tubing (cross-linked)

Type: THOMACHEM Solvent Resistant AC 15

#### Application areas:

- For precise metering of reagents in micro analytics and micro process control

#### Product specification:

- THOMAFLUID® micro pump tubings, type Special, made of polyvinyl chloride, are manufactured using a particularly developed polyvinyl formulation. They are distinguished by their high extraction and swelling resistance, especially to solvents and fuels.

#### Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: yellowish-translucent
- Shore hardness A: 61° ± 5° (DIN 53505)
- Temperature range: -32 °C to +60 °C
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>
- Density: approx. 1.20 g/cm<sup>3</sup> (DIN 53479)
- Elongation at break: up to 400 %
- Tensile strength: 14.3 MPa
- Regulations: BfR; US Federal Standard 209 B, air purity class 10000

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
27047	0.13	1.95	5	82.00
27048	0.13	1.95	15	208.00
27050	0.19	2.01	5	82.00
27051	0.19	2.01	15	208.00
27053	0.25	2.07	5	82.00
27054	0.25	2.07	15	208.00
27056	0.38	2.20	5	82.00
27057	0.38	2.20	15	208.00
27059	0.51	2.19	5	82.00
27060	0.51	2.19	15	208.00
27062	0.64	2.32	5	82.00
27063	0.64	2.32	15	208.00
27065	0.76	2.44	5	82.00
27066	0.76	2.44	15	208.00
27068	0.89	2.57	5	82.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Micro Precision Pump Tubing (cross-linked)**  
 Type: THOMACHEM Solvent Resistant AC 15

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
27069	0.89	2.57	15	208.00
27071	1.02	2.70	5	82.00
27072	1.02	2.70	15	208.00
27074	1.14	2.82	5	82.00
27075	1.14	2.82	15	208.00
27077	1.30	2.98	5	82.00
27078	1.30	2.98	15	208.00
27080	1.42	3.10	5	82.00
27081	1.42	3.10	15	208.00
27083	1.52	3.20	5	82.00
27084	1.52	3.20	15	208.00
27086	1.65	3.33	5	82.00
27087	1.65	3.33	15	208.00
27089	1.86	3.54	5	82.00
27090	1.86	3.54	15	208.00
27092	2.06	3.74	5	82.00
27093	2.06	3.74	15	208.00
27095	2.29	3.97	5	82.00
27096	2.29	3.97	15	208.00
27098	2.54	4.22	5	82.00
27099	2.54	4.22	15	208.00
27101	2.79	4.47	5	82.00
27102	2.79	4.47	15	208.00

**THOMAFLUID® PVC Tubing for Medical Engineering (cross-linked)**
**Product specification:**

- A special tubing for applications in surgery and medical engineering. Particularly suitable for the use in heart-lung machines, artificial hearts etc., in clinical and biological laboratories. The tubing has a long working life, because it does neither age nor oxidize; less permeable than rubber, the material being denser. The tube is non-toxic, free from pyrogenes, and compatible with blood; smooth inner wall, therefore no formation of deposits and consequently no influence of process results. Crystal-clear, soft and flexible. The tube meets the class VI criteria of the official US pharmacopeia, as well as DIN 58361 and DAB 9/86.

**Technical specification:**

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 74°
- Temperature range: -10 °C to +65 °C
- Embrittlement temperature: -31 °C
- Autoclaving: 30 minutes at 1 bar
- Odour: no
- Taste: no
- Toxicity: 386 V/ml
- Resistance to media: good to strong acids  
very good to weak acids  
good to strong bases

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
92680	0.8	2.4	3	15.00
92681	0.8	2.4	9	34.00
92682	0.8	2.4	15	50.00

**THOMAFLUID® PVC Tubing for Medical Engineering (cross-linked)**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
92683	1.6	3.2	3	18.00
92684	1.6	3.2	9	39.00
92685	1.6	3.2	15	56.00
92686	1.6	4.8	3	30.00
92687	1.6	4.8	9	69.00
92688	1.6	4.8	15	99.00
92689	2.4	4.0	3	22.00
92690	2.4	4.0	9	50.00
92691	2.4	4.0	15	71.00
92692	2.4	5.6	3	38.00
92693	2.4	5.6	9	88.00
92694	2.4	5.6	15	132.00



92 680



92 680

92695	3.2	4.8	3	27.00
92696	3.2	4.8	9	61.00
92697	3.2	4.8	15	90.00
92698	3.2	6.4	3	44.00
92699	3.2	6.4	9	103.00
92700	3.2	6.4	15	153.00
92701	4.0	5.6	3	30.00
92702	4.0	5.6	9	66.00
92703	4.0	5.6	15	100.00
92704	4.0	7.2	3	37.00
92705	4.0	7.2	9	90.00
92706	4.0	7.2	15	152.00
92707	4.8	6.4	3	29.00
92708	4.8	6.4	9	66.00
92709	4.8	6.4	15	100.00
92710	4.8	8.0	3	44.00
92711	4.8	8.0	9	91.00
92712	4.8	8.0	15	149.00
92713	4.8	9.6	3	75.00
92714	4.8	9.6	9	95.00
92715	4.8	9.6	15	210.00
92716	4.8	11.1	3	81.00
92718	4.8	11.1	9	165.00
92719	4.8	11.1	15	265.00
92720	6.4	8.0	3	34.00
92721	6.4	8.0	9	86.00
92722	6.4	8.0	15	124.00
92723	6.4	9.6	3	61.00
92724	6.4	9.6	9	116.00
92725	6.4	9.6	15	180.00
92726	6.4	11.1	3	100.00
92727	6.4	11.1	9	223.00
92728	6.4	11.1	15	280.00
92729	6.4	12.7	3	96.00
92730	6.4	12.7	9	218.00
92731	6.4	12.7	15	300.00
92732	8.0	11.1	3	76.00



## TUBING TECHNOLOGY-ELASTOMERS

## THOMAFLUID® PVC Tubing for Medical Engineering (cross-linked)

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
92733	8.0	11.1	9	142.00
92734	8.0	11.1	15	195.00
92735	8.0	12.7	3	86.00
92736	8.0	12.7	9	187.00
92737	8.0	12.7	15	270.00
92738	8.0	14.3	3	104.00
92739	8.0	14.3	9	214.00
92740	8.0	14.3	15	308.00
92741	9.5	12.7	3	85.00

- Material: PVC, cross-linked (polyvinyl chloride)
- Shore hardness A: 60° ± 3° (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
971231	0.8	4.0	1	27.00
971232	0.8	4.0	7.5	155.00
971241	1.6	4.8	1	27.00
971242	1.6	4.8	7.5	155.00
971261	3.2	6.4	1	32.00
971262	3.2	6.4	7.5	188.00
971251	4.8	9.6	1	37.00
971252	4.8	9.6	7.5	236.00



92 727



92 727



92 1231



92 1231

92742	9.5	12.7	9	158.00
92743	9.5	12.7	15	211.00
92744	9.5	14.3	3	91.00
92745	9.5	14.3	9	176.00
92746	9.5	14.3	15	257.00
92747	9.5	15.9	3	112.00
92748	9.5	15.9	9	283.00
92749	9.5	15.9	15	377.00
92750	11.1	14.3	3	77.00
92751	11.1	14.3	9	170.00
92752	11.1	15.9	3	97.00
92753	11.1	15.9	9	213.00
92754	11.1	17.5	3	120.00
92755	11.1	17.5	9	263.00
92756	12.7	15.9	3	82.00
92757	12.7	15.9	9	162.00
92758	12.7	17.5	3	93.00
92759	12.7	17.5	9	215.00
92760	12.7	19.0	3	131.00
92761	12.7	19.0	9	286.00
92762	14.3	19.0	3	85.00
92763	14.3	19.0	9	198.00
92764	15.9	20.6	3	93.00
92765	15.9	20.6	9	215.00
92766	15.9	22.2	3	125.00
92767	15.9	22.2	9	278.00

971271	6.4	9.6	1	37.00
971272	6.4	9.6	7.5	236.00
971281	8.0	11.2	1	37.00
971282	8.0	11.2	7.5	234.00

**THOMAFLUID® PVC Chemical Tubing  
“Standard” (cross-linked)  
Type: THOMACHEM NUSA**
**Application areas:**

- Laboratory technology
- Pharmaceutical technology
- Medical engineering
- Process technology
- Chemical engineering
- Process engineering

**Product specification:**

- Conveying tubing
- Good chemical resistance
- Good elastic behaviour, soft, flexible
- Very good mechanical stability
- Good resistance to oxidation, weather, and aging
- Lower permeability to gas than rubber because of higher density
- Absolutely smooth, polished inner surface, thus antiadhesive surface properties
- Characteristic: high resistance to extraction and swelling due to use of defined additives

**THOMAFLUID® PVC Special Pump  
Tubing (cross-linked)  
Type: Masterflex®**
**Technical specification:**



## TUBING TECHNOLOGY-ELASTOMERS

## Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 55° ± 3° (DIN 53505)
- Temperature range: -30 °C to +74 °C, for a short period +120 °C
- Autoclavable: at +121 °C, 30 min. at 1 bar
- Density: 1.18 g/cm<sup>3</sup>

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
92316	0.80	2.40	3	13.00
92317	0.80	2.40	9	32.00
92332	1.60	3.20	3	19.00



92 316



92 316

92333	1.60	3.20	9	50.00
92334	1.60	4.80	3	30.00
92335	1.60	4.80	9	78.00
92344	2.40	4.00	3	25.00
92345	2.40	4.00	9	75.00
92346	2.40	5.60	3	37.00
92347	2.40	5.60	9	96.00
92352	3.20	4.80	3	25.00
92353	3.20	4.80	9	61.00
92354	3.20	6.40	3	40.00
92355	3.20	6.40	9	109.00
92356	4.00	5.60	3	30.00
92357	4.00	5.60	9	66.00
92358	4.00	7.20	3	44.00
92359	4.00	7.20	9	119.00
92360	4.80	6.40	3	31.00
92361	4.80	6.40	9	80.00
92362	4.80	8.00	3	55.00
92363	4.80	8.00	9	86.00
92364	4.80	9.60	3	64.00
92365	4.80	9.60	9	183.00
92366	4.80	11.20	3	65.00
92367	4.80	11.20	9	249.00
92370	6.40	8.00	3	47.00
92371	6.40	8.00	9	110.00
92372	6.40	9.60	3	66.00
92373	6.40	9.60	9	165.00
92374	6.40	11.20	3	78.00
92375	6.40	11.20	9	233.00
92376	6.40	12.80	3	92.00
92377	6.40	12.80	9	278.00
92380	8.00	11.20	3	69.00
92381	8.00	11.20	9	180.00
92382	8.00	12.80	3	86.00

**THOMAFLUID® PVC Chemical Tubing  
“Standard” (cross-linked)  
Type: THOMACHEM NUSA**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
92383	8.00	12.80	9	245.00
92384	8.00	14.40	3	103.00
92385	8.00	14.40	9	288.00
92386	8.00	16.00	3	142.00
92387	8.00	16.00	9	405.00
92388	9.60	12.80	3	77.00
92389	9.60	12.80	9	204.00
92390	9.60	14.40	3	88.00
92391	9.60	14.40	9	240.00
92392	9.60	16.00	3	121.00
92393	9.60	16.00	9	346.00
92396	11.10	14.30	3	81.00
92397	11.10	14.30	9	219.00
92398	11.10	15.90	3	93.00
92399	11.10	15.90	9	270.00
92400	11.10	17.50	3	133.00
92401	11.10	17.50	9	381.00
92402	12.70	15.90	3	79.00
92403	12.70	15.90	9	234.00
92404	12.70	17.50	3	106.00
92405	12.70	17.50	9	305.00
92406	12.70	19.10	3	149.00
92407	12.70	19.10	9	426.00
92408	12.70	20.70	1	65.00
92409	12.70	20.70	3	178.00
92412	14.30	19.10	1	45.00
92413	14.30	19.10	3	129.00
92414	14.30	20.70	1	60.00
92415	14.30	20.70	3	159.00
92418	15.90	20.70	1	50.00
92419	15.90	20.70	3	125.00
92420	15.90	22.30	1	65.00
92421	15.90	22.30	3	170.00

**THOMAFLUID® PVC Food Tubing  
(cross-linked)**

## Product specification:

- A special tubing for food industry as well as for milk and milk products. Excellent resistance to strong alkaline detergents. The tubing meets the US FDA requirements. Long working life, because it does neither age nor oxidize. It is less permeable than rubber, the material being denser. The tube is non-toxic, odourless and tasteless, and not-soiling; smooth, polished inner wall, therefore no formation of deposits and consequently no influence of process results. Crystal-clear, soft and flexible.

## Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 65°
- Max. temperature resistance: +74 °C

## TUBING TECHNOLOGY-ELASTOMERS

- Embrittlement temperature: -44 °C
- Autoclavable: 30 min. at 1 bar
- Density: 1.21 g/cm<sup>3</sup>
- Resistance to media: excellent resistance to strong alkaline detergents

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
24499	0.8	2.4	3	18.00
24500	0.8	2.4	9	38.00
24501	0.8	2.4	15	55.00
24502	1.6	3.2	3	21.00
24503	1.6	3.2	9	47.00
24504	1.6	3.2	15	61.00
24505	1.6	4.8	3	33.00



24 499



24 499

24506	1.6	4.8	9	69.00
24507	1.6	4.8	15	95.00
24508	2.4	4.0	3	24.00
24509	2.4	4.0	9	53.00
24510	2.4	4.0	15	68.00
24511	2.4	5.6	3	33.00
24512	2.4	5.6	9	85.00
24513	2.4	5.6	15	120.00
24514	3.2	4.8	3	28.00
24515	3.2	4.8	9	58.00
24516	3.2	4.8	15	73.00
24517	3.2	6.4	3	40.00
24518	3.2	6.4	9	102.00
24519	3.2	6.4	15	136.00
24520	4.0	5.6	3	29.00
24521	4.0	5.6	9	61.00
24522	4.0	5.6	15	81.00
24523	4.0	7.2	3	42.00
24524	4.0	7.2	9	101.00
24525	4.0	7.2	15	158.00
24526	4.8	6.4	3	37.00
24527	4.8	6.4	9	79.00
24528	4.8	6.4	15	107.00
24529	4.8	8.0	3	55.00
24530	4.8	8.0	9	142.00
24531	4.8	8.0	15	190.00
24532	4.8	9.6	3	69.00
24533	4.8	9.6	9	183.00
24534	4.8	9.6	15	235.00
24535	4.8	11.1	3	87.00
24536	4.8	11.1	9	238.00
24537	4.8	11.1	15	396.00
24538	6.4	8.0	3	45.00
24539	6.4	8.0	9	102.00
24540	6.4	8.0	15	132.00
24541	6.4	9.6	3	62.00
24542	6.4	9.6	9	160.00
24543	6.4	9.6	15	221.00
24544	6.4	11.1	3	81.00
24545	6.4	11.1	9	222.00

## THOMAFLUID® PVC Food Tubing (cross-linked)

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
24546	6.4	11.1	15	371.00
24547	6.4	12.7	3	97.00
24548	6.4	12.7	9	265.00
24549	6.4	12.7	15	442.00
24550	8.0	11.1	3	79.00
24551	8.0	11.1	9	204.00
24552	8.0	11.1	15	268.00
24553	8.0	12.7	3	93.00
24554	8.0	12.7	9	243.00
24555	8.0	12.7	15	390.00
24556	8.0	14.3	3	110.00
24557	8.0	14.3	9	281.00
24558	8.0	14.3	15	467.00
24559	8.0	15.9	3	139.00
24560	8.0	15.9	9	405.00
24561	8.0	15.9	15	675.00
24562	9.5	12.7	3	74.00
24563	9.5	12.7	9	194.00
24564	9.5	14.3	3	96.00
24565	9.5	14.3	9	249.00
24566	9.5	15.9	3	121.00
24567	9.5	15.9	9	345.00
24568	11.1	14.3	3	84.00
24569	11.1	14.3	9	219.00
24570	11.1	15.9	3	99.00
24571	11.1	15.9	9	270.00
24572	12.7	15.9	3	84.00
24573	12.7	15.9	9	225.00
24574	12.7	19.0	3	150.00
24575	12.7	19.0	9	426.00
24576	12.7	20.6	3	178.00
24577	12.7	20.6	9	533.00
24578	14.3	19.0	3	112.00
24579	14.3	19.0	9	336.00
24580	15.9	20.6	3	125.00
24581	15.9	20.6	9	373.00
24582	15.9	22.2	3	163.00
24583	15.9	22.2	9	486.00

## THOMAFLUID® PVC Acid and Alkali Tubing (cross-linked)

## Product specification:

- A special tubing meeting highest requirements in chemistry and industry, black, light-tight; very good resistance to strong acids. Not usable for food, beverages, and pharmaceuticals. Long working life, because it does neither age nor oxidize. It is less permeable than rubber, the material being denser. Smooth, polished inner wall, therefore no formation of deposits and consequently no influence of process results. Soft and flexible.

## Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: black, light-tight
- Shore hardness A: 64° (DIN 53505)
- Max. temperature resistance: +74 °C
- Embrittlement temperature: -21 °C
- Density: 1.31 g/cm<sup>3</sup>

## TUBING TECHNOLOGY-ELASTOMERS

- Resistance to media: very good to weak acids, good to strong acids

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
24638	1.6	3.2	3	17.00
24639	1.6	3.2	9	44.00
24640	1.6	3.2	15	57.00
24641	2.4	4.0	3	20.00
24642	2.4	4.0	9	51.00
24643	2.4	4.0	15	66.00
24644	2.4	5.6	3	37.00
24645	2.4	5.6	9	88.00
24646	2.4	5.6	15	115.00
24647	3.2	6.4	3	39.00
24648	3.2	6.4	9	102.00
24649	3.2	6.4	15	132.00



24 638



24 638

24650	4.0	7.2	3	44.00
24651	4.0	7.2	9	106.00
24652	4.0	7.2	15	151.00
24653	4.8	6.4	3	32.00
24654	4.8	6.4	9	83.00
24655	4.8	6.4	15	109.00
24656	4.8	8.0	3	51.00
24657	4.8	8.0	9	132.00
24658	4.8	8.0	15	182.00
24659	4.8	9.6	3	69.00
24660	4.8	9.6	9	178.00
24661	4.8	9.6	15	291.00
24662	6.4	9.6	3	61.00
24663	6.4	9.6	9	157.00
24664	6.4	9.6	15	221.00
24665	6.4	11.1	3	96.00
24666	6.4	11.1	9	249.00
24667	6.4	11.1	15	371.00
24668	8.0	11.1	3	68.00
24669	8.0	11.1	9	177.00
24670	9.5	12.7	3	80.00
24671	9.5	12.7	9	208.00
24672	9.5	15.9	3	116.00
24673	9.5	15.9	9	346.00
24674	11.1	14.3	3	74.00
24675	11.1	14.3	9	219.00
24676	12.7	19.0	3	143.00
24677	12.7	19.0	9	426.00
24678	15.9	22.2	3	163.00
24679	15.9	22.2	9	486.00

silphosphate or manganese). Also well usable for kerosine, heating oil, cutting fluids, and cooling agents on glycol base. Not usable for strong bases, strong acids, food, beverages, and pharmaceuticals. Long working life, because it does neither age nor oxidize. It is less permeable than rubber, the material being denser. Smooth, polished inner wall, therefore no formation of deposits and consequently no influence of process results. Translucent, soft, and flexible.

**Technical specification:**

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: yellow-translucent
- Shore hardness A: 64° (DIN 53505)
- Max. temperature resistance: +74 °C
- Embrittlement temperature: -37 °C
- Density: 1.26 g/cm<sup>3</sup>
- Resistance to media: good to weak acids  
less good to strong acids  
relatively good to weak alkalis  
poor to strong alkalis  
medium resistance to solvents

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
24682	3.2	6.4	3	37.00
24683	3.2	6.4	9	96.00
24684	3.2	6.4	15	130.00
24685	4.8	8.0	3	47.00
24686	4.8	8.0	9	124.00
24687	4.8	8.0	15	181.00
24688	6.4	9.6	3	57.00
24689	6.4	9.6	9	148.00
24690	6.4	9.6	15	221.00
24691	6.4	12.7	3	95.00
24692	6.4	12.7	9	265.00
24693	6.4	12.7	15	442.00
24694	8.0	11.1	3	66.00
24695	8.0	11.1	9	172.00
24696	8.0	11.1	15	265.00
24697	9.5	12.7	3	80.00
24698	9.5	12.7	9	208.00
24699	11.1	14.3	3	87.00



24 682



24 682

24700	11.1	14.3	9	226.00
24701	12.7	19.0	3	156.00
24702	12.7	19.0	9	426.00
24703	15.9	22.2	3	178.00
24704	15.9	22.2	9	486.00

### THOMAFLUID® PVC Fuel and Lubricant Tubing (cross-linked)

**Product specification:**

- A special tubing for fuels and lubricants, for lead-containing or unleaded gasoline (with or without additives such as boron, trice-

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## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® PVC Pressure Tubing (cross-linked)

#### Product specification:

- A special pressure tubing with synthetic fibre braiding. Excellent resistance to strong alkaline detergents. Long working life, because it does neither age nor oxidize. It is less permeable than rubber, the material being denser. Smooth, polished inner wall, therefore no formations of deposits and consequently no influence of process results. Flexible and transparent.

#### Technical specification:

- Material: PVC, cross-linked (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 65°
- Max. temperature resistance: +74 °C



92 300



92 300

- Embrittlement temperature: -44 °C
- Density: 1.21 g/cm<sup>3</sup>
- Autoclavable: 30 minutes at 1 bar
- Resistance to media: excellent resistance to strong alkaline detergents

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bursting pressure bar	Length m	Price EURO
92300	6.4	11.1	17	70	1	39.00
92301	6.4	11.1	17	70	3	99.00
92320	6.4	11.1	17	70	6	198.00
92302	9.6	15.9	10	41	1	60.00
92303	9.6	15.9	10	41	3	150.00
92321	9.6	15.9	10	41	6	298.00
92304	12.7	17.5	14	55	1	54.00
92305	12.7	17.5	14	55	3	141.00
92322	12.7	17.5	14	55	6	269.00
92306	15.9	22.2	10	37	1	76.00
92307	15.9	22.2	10	37	3	207.00

<sup>1</sup> at +20 °C

### THOMAFLUID® PVC Chemical Pump Tubing with Two Stoppers Type: THOMACHEM Standard-RH

#### Product specification:

- For precise metering of reagents in micro analytics and micro process control.
- Resistant precision chemical pump tubing made of a special heavy-duty PVC formulation for routine use for conveyance of aqueous media and salt solutions, alcohols, mineral acids and alkaline lyes, also concentrated ones.

- The used raw materials meet the recommendations of the BFR and are approved.
- During formulation development the testing procedures according to the USP XXI Test, Class VI, are performed. The tubing standard is in conformity with these regulations. The production of THOMAFLUID® micro pump tubing meets the requirements of the US Federal Standard 209 B, air purity class 10000.

#### Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 65° ± 5° (DIN 53505)
- Temperature resistance: -10 °C to +60 °C
- Accuracy of conveyance: ± 5 % (normal tolerance)
- Fixed length: 406.5 mm from end to end fitted with coding riders distance between the riders 64 mm

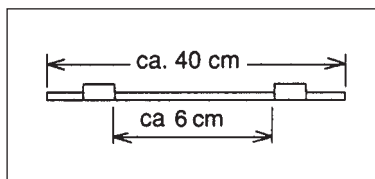


27 009



27 009

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
27009	0.13	1.95	orange/black	6	66.00
27010	0.13	1.95	orange/black	12	114.00
27011	0.19	2.01	orange/red	6	66.00
27012	0.19	2.01	orange/red	12	114.00
27013	0.25	2.07	orange/blue	6	66.00
27014	0.25	2.07	orange/blue	12	114.00
27015	0.38	2.20	orange/green	6	66.00
27016	0.38	2.20	orange/green	12	114.00
27019	0.64	2.32	orange/white	6	66.00
27020	0.64	2.32	orange/white	12	114.00



27 009

27021	0.76	2.44	black	6	66.00
27022	0.76	2.44	black	12	114.00
27023	0.89	2.57	orange	6	66.00
27024	0.89	2.57	orange	12	114.00
27025	1.02	2.70	white	6	66.00
27026	1.02	2.70	white	12	114.00
27027	1.14	2.82	red	6	66.00
27028	1.14	2.82	red	12	114.00
27124	1.30	2.98	grey	6	66.00
27125	1.30	2.98	grey	12	114.00
27126	1.42	3.10	yellow	6	66.00
27127	1.42	3.10	yellow	12	114.00
27128	1.52	3.20	yellow/blue	6	66.00

## TUBING TECHNOLOGY-ELASTOMERS

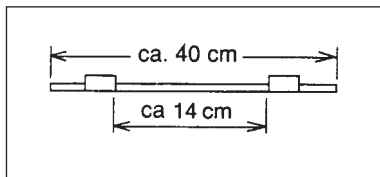
**THOMAFLUID® PVC Chemical Pump  
Tubing with Two Stoppers**  
**Type: THOMACHEM Standard-RH**

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
27129	1.52	3.20	yellow/blue	12	114.00
27130	1.65	3.33	blue	6	66.00
27131	1.65	3.33	blue	12	114.00
27132	1.86	3.54	green	6	66.00
27133	1.86	3.54	green	12	114.00
27134	2.06	3.74	violet	6	66.00
27135	2.06	3.74	violet	12	114.00
27136	2.29	3.97	violet/black	6	66.00
27137	2.29	3.97	violet/black	12	114.00
27138	2.54	4.22	violet/orange	6	66.00
27139	2.54	4.22	violet/orange	12	114.00
27140	2.79	4.47	violet/white	6	66.00
27141	2.79	4.47	violet/white	12	114.00

**THOMAFLUID® PVC Chemical Pump  
Tubing with Two Stoppers**  
**Type: THOMACHEM-TEC-1560**
**Product specification:**

- For peristaltic pumps with tubing cassettes.
- Resistant precision chemical pump tubing made of a special heavy-duty PVC formulation for routine use for conveyance of aqueous media and salt solutions, alcohols, mineral acids and alkaline lyes, also concentrated ones; fitted with two involved stoppers each for mounting in tubing cassettes, colour-coded for clearly organized use.
- Application-oriented, precision adjusted inside diameters from 0.254 to 2.794 mm; total length: 40 cm; distance between stoppers: approx. 14 cm; delivered as package of 6 pieces each.

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43817	0.254	2.054	0.90	orange/blue	6	63.00



43 817

43818	0.381	2.181	0.90	orange/green	6	63.00
43819	0.508	2.208	0.85	orange/yellow	6	63.00
43820	0.635	2.435	0.90	orange/white	6	63.00
43821	0.762	2.362	0.80	black	6	63.00
43822	0.889	2.489	0.80	orange	6	63.00
43823	1.016	2.716	0.85	white	6	63.00
43824	1.143	2.743	0.80	red	6	63.00
43825	1.295	2.795	0.75	grey	6	63.00
43826	1.442	3.042	0.80	yellow	6	63.00
43827	1.524	3.024	0.75	yellow/blue	6	63.00
43828	1.651	3.251	0.80	blue	6	63.00

**THOMAFLUID® PVC Chemical Pump  
Tubing with Two Stoppers**  
**Type: THOMACHEM-TEC-1560**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour code	Piece/ package	Price EURO
43829	1.854	3.554	0.85	green	6	63.00
43830	2.057	3.657	0.80	violet	6	63.00
43831	2.286	3.986	0.85	violet/black	6	63.00
43832	2.540	4.140	0.80	violet/orange	6	63.00
43833	2.794	4.594	0.90	violet/white	6	63.00



43 817



43 817

**THOMAFLUID® PVC Micro Precision  
Pump Tubing with Two Stoppers  
(calibrated)**  
**Type: THOMACHEM Accurate Flow**
**Product specification:**

- For precise metering of reagents in micro analytics and micro process control.
- Resistant precision chemical pump tubing made of a special heavy-duty PVC formulation for routine use for conveyance of aqueous media and salt solutions, alcohols, mineral acids and alkaline lyes, also concentrated ones.
- The narrow tolerances of the inside diameters of THOMAFLUID® micro precision pump tubing guarantee calibrated flow rates. Their characteristic values of flow rate meet the requirements of automatic analytical systems.
- The used raw materials meet the recommendations of the BfR and are approved.

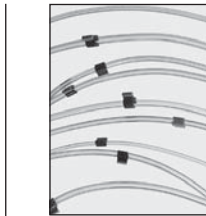
**Technical specification:**

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear, blue brightened
- Shore hardness A: 65° ± 5° (DIN 53505)
- Temperature range: -10 °C to +60 °C
- Accuracy of conveyance: ± 1 % (very precise, far below normal tolerance)
- Fixed length: 405.6 mm from end to end fitted with coding riders, distance between the riders 154 mm
- Regulations: During formulation development, the testing procedures according to the USP XXI Test, Class VI, are performed.  
The tubing standard is in conformity with these regulations. The produc-

## TUBING TECHNOLOGY-ELASTOMERSE

tion of THOMAFLUID® micro pump tubing meets the requirements of the US Federal Standard 209 B, air purity class 10000.

Cat. No.	Flow rate ml / min	Colour code	Piece/ package	Price EURO
27199	0.015	orange/black	6	87.00
27200	0.015	orange/black	12	150.00
27201	0.03	orange/red	6	87.00
27202	0.03	orange/red	12	150.00
27203	0.05	orange/blue	6	87.00
27204	0.05	orange/blue	12	150.00
27205	0.06	red/blue	6	87.00
27206	0.06	red/blue	12	150.00
27207	0.10	orange/green	6	87.00
27208	0.10	orange/green	12	150.00
27209	0.16	orange/yellow	6	87.00

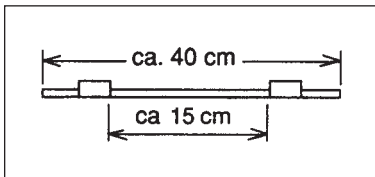


27 199



27 199

27210	0.16	orange/yellow	12	150.00
27211	0.23	orange/white	6	87.00
27212	0.23	orange/white	12	150.00
27213	0.32	black	6	87.00
27214	0.32	black	12	150.00
27215	0.42	orange	6	87.00
27216	0.42	orange	12	150.00
27217	0.60	white	6	87.00
27218	0.60	white	12	150.00
27219	0.80	red	6	87.00
27220	0.80	red	12	150.00
27221	1.00	grey	6	87.00
27222	1.00	grey	12	150.00
27223	1.20	yellow	6	87.00
27224	1.20	yellow	12	150.00



27 199

27225	1.40	yellow/blue	6	87.00
27226	1.40	yellow/blue	12	150.00
27227	1.60	blue	6	87.00
27228	1.60	blue	12	150.00
27229	2.0	green	6	87.00
27230	2.0	green	12	150.00
27231	2.50	violet	6	87.00
27232	2.50	violet	12	150.00
27233	2.90	violet/black	6	87.00
27234	2.90	violet/black	12	150.00
27235	3.40	violet/orange	6	87.00
27236	3.40	violet/orange	12	150.00
27237	3.90	violet/white	6	87.00
27238	3.90	violet/white	12	150.00

THOMAFLUID® PVC Micro Pump Tubing  
Type: THOMACHEM Precision AC 15

## Product specification:

- For precise metering of reagents in micro analytics and micro process control.
- THOMAFLUID® micro pump tubings are made of polyvinyl chloride by addition of carefully selected additives. The used raw materials meet the recommendations of the BfR and are approved.

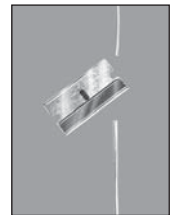
## Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 61° ± 5° (DIN 53505)
- Temperature range: -32 °C to +60 °C
- Density: 1.20 g/cm<sup>3</sup> (DIN 53479)
- Tearing strength: 400 %
- Tensile strength: 14.3 MPa
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>
- Regulations: During formulation development, the testing procedures according to the USP XXI Test, Class VI, are performed. The tubing standard is in conformity with these regulations. The production of THOMAFLUID® micro pump tubing meets the requirements of the US Federal Standard 209 B, air purity class 10000.

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
27142	0.13	1.95	5	61.00
27143	0.13	1.95	15	153.00
27145	0.19	2.01	5	61.00
27146	0.19	2.01	15	153.00
27148	0.25	2.07	5	61.00
27149	0.25	2.07	15	153.00
27151	0.38	2.20	5	61.00
27152	0.38	2.20	15	153.00
27154	0.51	2.19	5	61.00
27155	0.51	2.19	15	153.00



27 142



27 142

27157	0.64	2.32	5	61.00
27158	0.64	2.32	15	153.00
27160	0.76	2.44	5	61.00
27161	0.76	2.44	15	153.00
27163	0.89	2.57	5	61.00
27164	0.89	2.57	15	153.00
27166	1.02	2.70	5	61.00
27167	1.02	2.70	15	153.00
27169	1.14	2.82	5	61.00
27170	1.14	2.82	15	153.00

## TUBING TECHNOLOGY-ELASTOMERS

THOMAFLUID® PVC Micro Pump Tubing  
Type: THOMACHEM Precision AC 15

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
27172	1.30	2.98	5	61.00
27173	1.30	2.98	15	153.00
27175	1.42	3.10	5	61.00
27176	1.42	3.10	15	153.00
27178	1.52	3.20	5	61.00
27179	1.52	3.20	15	153.00
27181	1.65	3.33	5	61.00
27182	1.65	3.33	15	153.00
27184	1.86	3.54	5	61.00
27185	1.86	3.54	15	153.00
27187	2.06	3.74	5	61.00
27188	2.06	3.74	15	153.00
27190	2.29	3.97	5	61.00
27191	2.29	3.97	15	153.00
27193	2.54	4.22	5	61.00
27194	2.54	4.22	15	153.00
27196	2.79	4.47	5	61.00
27197	2.79	4.47	15	153.00

THOMAFLUID® Micro Catheter PVC  
Chemical Tubing

## Product specification:

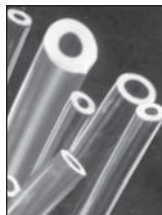
- Micro catheter tubing is made of elastic polyvinyl chloride (PVC) by addition of carefully selected additives. The used raw materials meet the recommendations of the BfR. The material combination is distinguished by its high resistance to extraction and swelling. The used additives are carefully selected and are subject to strict quality control.

## Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 60°



28 393



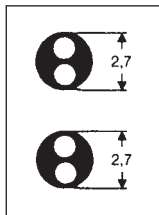
28 393

- Temperature range: -20 °C to +60 °C
- Density: 1.19 g/cm<sup>3</sup>
- Tearing strength: 10.5 N/mm<sup>2</sup>
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>

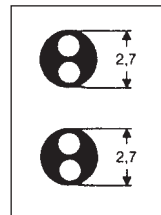
Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28393	0.20	0.50	5	50.00
28394	0.20	0.50	15	118.00

THOMAFLUID® Micro Catheter PVC  
Chemical Tubing

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28395	0.28	0.61	5	50.00
28396	0.28	0.61	15	118.00
28397	0.35	1.05	5	50.00
28398	0.35	1.05	15	118.00
28399	0.40	0.80	5	50.00
28400	0.40	0.80	15	118.00
28401	0.50	0.80	5	50.00
28402	0.50	0.80	15	118.00
28405	0.50	1.00	5	50.00
28406	0.50	1.00	15	118.00
28407	0.50	1.50	5	61.00
28408	0.50	1.50	15	144.00
28409	0.58	0.96	5	61.00
28410	0.58	0.96	15	144.00
28411	0.75	1.45	5	61.00
28412	0.75	1.45	15	144.00
28413	0.80	1.20	5	61.00
28414	0.80	1.20	15	144.00
28415	0.86	1.27	5	61.00
28416	0.86	1.27	15	144.00
28417	0.86	1.52	5	61.00
28418	0.86	1.52	15	144.00
28419	0.97	1.27	5	61.00
28420	0.97	1.27	15	144.00
28421	1.00	1.50	5	61.00
28422	1.00	1.50	15	144.00
28429	1.50	2.50	5	71.00
28430	1.50	2.50	15	167.00
28431	1.50	2.70	5	71.00
28432	1.50	2.70	15	167.00
28435	2.00	3.00	5	71.00
28436	2.00	3.00	15	167.00

THOMAFLUID® Multi-Lumen Micro  
Catheter PVC Chemical Tubing

28 438



28 438

Cat. No.	I. D. mm	O. D. mm	No. of lumens	Length m	Price EURO
28438	0.41	1.0	2	5	79.00
28439	0.41	1.0	2	15	188.00
28440	0.70	1.75	2	5	85.00
28441	0.70	1.75	2	15	204.00
28442	0.90	2.2	2	5	91.00
28443	0.90	2.2	2	15	209.00
28444	1.10	2.7	2	5	96.00

## TUBING TECHNOLOGY-ELASTOMERS

## THOMAFLUID® Multi-Lumen Micro Catheter PVC Chemical Tubing

Cat. No.	I. D. mm	O. D. mm	No. of lumens	Length m	Price EURO
28445	1.10	2.7	2	15	221.00
14918	0.35	1.0	3	5	94.00
14919	0.35	1.0	3	15	216.00
28448	0.50	1.5	3	5	94.00
28449	0.50	1.5	3	15	216.00
28450	0.78	2.0	3	5	104.00
28451	0.78	2.0	3	15	238.00
28452	0.96	2.5	3	5	115.00
28453	0.96	2.5	3	15	252.00

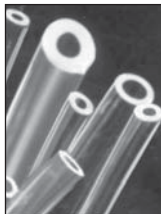
THOMAFLUID® PVC Special Chemical Tubing  
Type: THOMACHEM BCP 320

## Product specification:

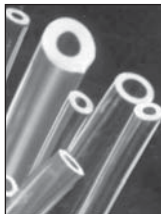
- A special tubing made of polyvinyl chloride (PVC), according to Formula 320, manufactured by addition of carefully selected additives. The used raw materials meet the recommendations of the BFR.
- The material combination is distinguished by high resistance to extraction and swelling. Product specific additives are subject to permanent quality control.
- Its flexibility and mechanical properties are remarkable.
- Resistant to most dilute and concentrated acids (e.g. hydrochloric acid, dilute nitric acid, dilute chromic acid) as well as aqueous salt solutions.
- Resistant to minerals, vegetable oils, paraffin oil, alcohol, gasoline, aliphatic hydrocarbons (e.g. pentane, octane), and long-chain fatty acids.

## Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear



28 617



28 617

- Shore hardness A: 60°
- Temperature range: -20 °C to +60 °C
- Density: 1.19 g/cm<sup>3</sup>
- Tearing strength: 10.5 N/mm<sup>2</sup>
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28617	1.6	3.2	10	36.00

THOMAFLUID® PVC Special Chemical Tubing  
Type: THOMACHEM BCP 320

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28618	1.6	3.2	20	59.00
28619	1.6	6.4	10	80.00
28620	1.6	6.4	20	128.00
28621	2.4	4.0	10	39.00
28622	2.4	4.0	20	62.00
28623	3.2	4.8	10	41.00
28624	3.2	4.8	20	72.00
28625	3.2	6.4	10	69.00
28626	3.2	6.4	20	110.00
28627	4.0	7.2	10	69.00
28628	4.0	7.2	20	110.00
28629	4.8	6.4	10	69.00
28630	4.8	6.4	20	110.00
28631	4.8	8.0	10	69.00
28632	4.8	8.0	20	110.00
28633	4.8	11.2	5	75.00
28634	4.8	11.2	15	174.00
28635	4.8	9.6	5	75.00
28636	4.8	9.6	15	174.00
28637	6.4	9.6	5	75.00
28638	6.4	9.6	15	174.00
28639	6.4	11.2	5	75.00
28640	6.4	11.2	15	174.00
28641	9.6	12.7	5	75.00
28642	9.6	12.7	15	174.00
28643	9.6	15.9	5	95.00
28644	9.6	15.9	15	215.00#

THOMAFLUID® High-Med PVC Vinyl Peristaltic Pump Tubing  
Type: High-Med AC 8

## Product specification:

- Conveying tubing
- Kinking-resistant and highly flexible
- Absolutely smooth surface, counteracting concentration of bacteria
- Non-toxic, free from pyrogens, and compatible with blood (tolerated by blood)
- Thermosensitive, immediately adapting to body temperature without decrease in lumen size

## Technical specification:

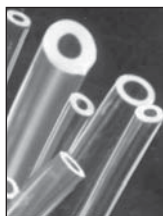
- Material: PVC (polyvinyl chloride)
- Material class: medicine
- Colour: crystal-clear
- Shore hardness A: 58°
- Material mechanics: very soft and elastic
- Temperature range: -30 °C to +70 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 1.20 g/cm<sup>3</sup>
- Elongation at break: 400 %
- Tensile strength: 14.3 MPa



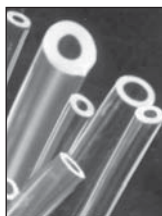
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Med PVC Vinyl  
Peristaltic Pump Tubing  
Type: High-Med AC 8**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
11506	0.5	1.0	0.25	15	81.00
11507	0.5	1.5	0.5	15	81.00
11508	0.5	3.7	1.6	15	110.00
11509	0.8	4.0	1.6	15	110.00
11510	1.0	2.0	0.5	15	82.00
11511	1.0	3.0	1.0	15	84.00
11512	1.5	2.5	0.5	15	82.00
11513	1.5	3.5	1.0	15	84.00
11514	1.6	4.8	1.6	15	129.00



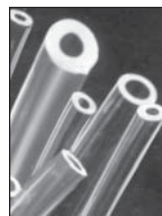
11 506



11 506



10 094



10 094

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: milky, but translucent
- Shore hardness A: 80°
- Temperature range: -20 °C to +80 °C
- Autoclavable: at +136 °C
- Elongation at break: approx. 310 %

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Design	Length m	Price EURO
10094	0.63	1.4	2.9	thin-walled	5	23.00
10095	0.63	1.4	2.9	thin-walled	15	59.00
10096	1.0	2.0	2.7	thin-walled	5	25.00
10097	1.0	2.0	2.7	thin-walled	15	65.00

11515	2.0	4.0	1.0	15	84.00
11516	2.5	5.7	1.6	15	137.00
11517	3.0	5.0	1.0	15	106.00
11518	3.2	4.8	0.8	15	106.00
11519	3.2	5.2	1.0	15	137.00
11520	3.2	6.4	1.6	15	167.00
11521	4.0	6.0	1.0	15	142.00
11522	4.8	6.4	0.8	15	118.00
11523	4.8	8.0	1.6	15	180.00
11524	6.3	7.9	0.8	15	148.00
11525	6.3	9.5	1.6	15	198.00
11526	6.3	12.7	3.2	15	221.00
11527	8.0	11.2	1.6	15	228.00
11528	8.0	14.4	3.2	15	251.00
11529	9.5	12.7	1.6	15	238.00
11530	9.5	15.9	3.2	15	266.00
11531	12.7	19.1	3.2	15	302.00
11532	16.0	22.4	3.2	15	374.00
11533	19.0	25.4	3.2	15	440.00

10098	2.0	3.0	1.5	thin-walled	5	26.00
10099	2.0	3.0	1.5	thin-walled	15	67.00
10100	3.0	4.25	1.2	thin-walled	5	39.00
10101	3.0	4.25	1.2	thin-walled	15	101.00
10102	3.5	5.0	1.40	thin-walled	5	40.00
10103	3.5	5.0	1.40	thin-walled	15	105.00
10104	4.0	6.0	1.7	thin-walled	5	45.00
10105	4.0	6.0	1.7	thin-walled	15	117.00
10106	5.0	7.0	1.3	thin-walled	3	38.00
10107	5.0	7.0	1.3	thin-walled	9	100.00
10108	6.0	7.6	1.0	thin-walled	3	40.00
10109	6.0	7.6	1.0	thin-walled	9	104.00
10110	6.5	12.7	2.6	thin-walled	3	104.00
10111	6.5	12.7	2.6	thin-walled	9	266.00
10112	7.0	9.5	1.0	thin-walled	3	56.00
10113	7.0	9.5	1.0	thin-walled	9	145.00
10114	8.0	11.0	1.1	thin-walled	3	56.00
10115	8.0	11.0	1.1	thin-walled	9	145.00
10116	9.0	12.2	1.1	thin-walled	3	73.00
10117	9.0	12.2	1.1	thin-walled	9	190.00
10122	3.0	5.0	2.7	thick-walled	5	37.00
10123	3.0	5.0	2.7	thick-walled	15	96.00
10124	4.0	7.0	2.8	thick-walled	5	75.00
10125	4.0	7.0	2.8	thick-walled	15	196.00
10126	5.0	8.0	2.0	thick-walled	3	45.00
10127	5.0	8.0	2.0	thick-walled	9	118.00
10128	5.0	10.0	2.8	thick-walled	3	74.00
10129	5.0	10.0	2.8	thick-walled	9	195.00
10130	6.0	9.0	1.6	thick-walled	3	51.00
10131	6.0	9.0	1.6	thick-walled	9	132.00
10132	7.0	10.5	1.6	thick-walled	3	61.00
10133	7.0	10.5	1.6	thick-walled	9	158.00
10134	8.0	12.0	1.3	thick-walled	3	79.00
10135	8.0	12.0	1.3	thick-walled	9	206.00
10136	9.0	13.5	1.6	thick-walled	3	90.00
10137	9.0	13.5	1.6	thick-walled	9	236.00
10138	10.0	15.0	1.1	thick-walled	3	92.00

**THOMAFLUID® High-Med PVC Vinyl  
Tubing for Medical Engineering  
Type: PX 800 702**
**Product specification:**

- Conveying tubing
- Kinking-resistant and flexible
- Absolutely smooth surface, counteracting concentration of bacteria
- Non-toxic, free from pyrogens, and compatible with blood (tolerated by blood)
- Thermosensitive, immediately adapting to body temperature without decrease in lumen size

**TUBING TECHNOLOGY-ELASTOMERS**

**THOMAFLUID® High-Med PVC Vinyl Tubing for Medical Engineering**  
Type: PX 800 702

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Design	Length m	Price EURO
10139	10.0	15.0	1.1	thick-walled	9	240.00
10140	11.0	15.5	1.4	thick-walled	3	109.00
10141	11.0	15.5	1.4	thick-walled	9	269.00
10142	12.5	19.0	1.6	thick-walled	3	123.00
10143	12.5	19.0	1.6	thick-walled	9	308.00

<sup>1</sup> at +20 °C

**THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated)**  
Type: THOMACHEM PLARK Shore A 45°

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thickness mm	Wall thickness inch	Colour	Length m	Price EURO
17535	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	15	47.00
17536	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	30	74.00
17537	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	5	19.00
17538	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	15	47.00
17539	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	30	74.00
17540	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	5	19.00
17541	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	15	47.00
17542	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	30	74.00

**THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated)**  
Type: THOMACHEM PLARK Shore A 45°

**Product specification:**

- Very high flexibility
- Good mechanical stability
- Non-toxic, pyrogen-free
- Good resistance to aging and weather
- Very good dielectric properties
- Hardly inflammable
- Antiadhesive surface
- Resistant to most dilute and concentrated acids (e.g. hydrochloric acid, dilute nitric acid, dilute chromic acid) as well as aqueous salt solutions.
- Resistant to minerals, vegetable oils, paraffin oil, alcohol, gasoline, aliphatic hydrocarbons (e.g. pentane, octane), and long-chain fatty acids.

**Technical specification:**

- Material: PVC (polyvinyl chloride), highly cross-linked
- Colour: alternatively opaque clear, self-coloured black, self-coloured white, opaque red, opaque green, opaque blue, opaque yellow
- Shore hardness A: 45° ± 3° (DIN 53505)
- Temperature range: -20 °C to +65 °C, for a short period +80 °C
- Tolerances: DIN ISO 3302-1 E1/E2 (DIN 7715 E1/E2), calibrated

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thickness mm	Wall thickness inch	Colour	Length m	Price EURO
17522	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	5	19.00
17523	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	15	47.00
17524	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	30	74.00
17525	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	5	19.00
17526	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	15	47.00
17527	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	30	74.00
17528	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	5	19.00
17529	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	15	47.00
17530	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	30	74.00
17531	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	5	19.00
17532	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	15	47.00
17533	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	30	74.00
17534	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	5	19.00



17 522



17 575

17543	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	5	40.00
17544	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	15	99.00
17545	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	30	153.00
17546	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	5	40.00
17547	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	15	99.00
17548	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	30	153.00
17549	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	5	40.00
17550	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	15	99.00
17551	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	30	153.00
17552	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	5	40.00
17553	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	15	99.00
17554	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	30	153.00
17555	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	5	40.00
17556	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	15	99.00
17557	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	30	153.00
17558	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	5	40.00
17559	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	15	99.00
17560	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	30	153.00
17561	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	5	40.00
17562	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	15	99.00
17563	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	30	153.00
17564	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	5	22.00
17565	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	15	54.00
17566	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	30	86.00
17567	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	5	22.00
17568	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	15	54.00
17569	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	30	86.00
17570	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	5	22.00
17571	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	15	54.00
17572	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	30	86.00
17573	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	5	22.00
17574	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	15	54.00
17575	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	30	86.00
17576	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	5	22.00
17577	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	15	54.00
17578	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	30	86.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 45°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17579	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	5	22.00
17580	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	15	54.00
17581	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	30	86.00
17582	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	5	22.00
17583	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	15	54.00
17584	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	30	86.00
17585	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	5	25.00
17586	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	15	62.00
17587	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	30	99.00
17588	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	5	25.00
17589	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	15	62.00
17590	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	30	99.00
17591	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	5	25.00
17592	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	15	62.00
17593	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	30	99.00
17594	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	5	25.00
17595	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	15	62.00
17596	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	30	99.00
17597	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	5	25.00
17598	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	15	62.00
17599	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	30	99.00
17600	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	5	25.00
17601	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	15	62.00
17602	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	30	99.00
17603	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	5	25.00
17604	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	15	62.00
17605	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	30	99.00
17606	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	5	34.00
17607	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	15	83.00
17608	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	30	129.00
17609	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	5	34.00
17610	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	15	83.00
17611	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	30	129.00
17612	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	5	34.00
17613	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	15	83.00
17614	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	30	129.00



17 579



17 626

17615	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	5	34.00
17616	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	15	83.00
17617	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	30	129.00
17618	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	5	34.00
17619	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	15	83.00
17620	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	30	129.00
17621	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	5	34.00
17622	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	15	83.00
17623	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	30	129.00
17624	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	5	34.00
17625	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	15	83.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 45°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17626	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	30	129.00
17627	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	5	37.00
17628	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	15	90.00
17629	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	30	141.00
17630	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	5	37.00
17631	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	15	90.00
17632	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	30	141.00
17633	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	5	37.00
17634	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	15	90.00
17635	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	30	141.00
17636	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	5	37.00
17637	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	15	90.00
17638	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	30	141.00
17639	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	5	37.00
17640	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	15	90.00
17641	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	30	141.00
17642	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	5	37.00
17643	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	15	90.00
17644	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	30	141.00
17645	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	5	37.00
17646	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	15	90.00
17647	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	30	141.00
17648	4.0	5/32"	8.7	11/32"	4	3/32"	clear	5	55.00
17649	4.0	5/32"	8.7	11/32"	4	3/32"	clear	15	133.00
17650	4.0	5/32"	8.7	11/32"	4	3/32"	clear	30	207.00
17651	4.0	5/32"	8.7	11/32"	4	3/32"	black	5	55.00
17652	4.0	5/32"	8.7	11/32"	4	3/32"	black	15	133.00
17653	4.0	5/32"	8.7	11/32"	4	3/32"	black	30	207.00
17654	4.0	5/32"	8.7	11/32"	4	3/32"	white	5	55.00
17655	4.0	5/32"	8.7	11/32"	4	3/32"	white	15	133.00
17656	4.0	5/32"	8.7	11/32"	4	3/32"	white	30	207.00
17657	4.0	5/32"	8.7	11/32"	4	3/32"	red	5	55.00
17658	4.0	5/32"	8.7	11/32"	4	3/32"	red	15	133.00
17659	4.0	5/32"	8.7	11/32"	4	3/32"	red	30	207.00
17660	4.0	5/32"	8.7	11/32"	4	3/32"	green	5	55.00
17661	4.0	5/32"	8.7	11/32"	4	3/32"	green	15	133.00
17662	4.0	5/32"	8.7	11/32"	4	3/32"	green	30	207.00
17663	4.0	5/32"	8.7	11/32"	4	3/32"	blue	5	55.00
17664	4.0	5/32"	8.7	11/32"	4	3/32"	blue	15	133.00
17665	4.0	5/32"	8.7	11/32"	4	3/32"	blue	30	207.00
17666	4.0	5/32"	8.7	11/32"	4	3/32"	yellow	5	55.00
17667	4.0	5/32"	8.7	11/32"	4	3/32"	yellow	15	133.00
17668	4.0	5/32"	8.7	11/32"	4	3/32"	yellow	30	207.00
17669	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	5	35.00
17670	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	15	85.00
17671	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	30	135.00
17672	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	5	35.00
17673	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	15	85.00
17674	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	30	135.00
17675	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	5	35.00
17676	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	15	85.00
17677	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	30	135.00
17678	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	5	35.00
17679	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	15	85.00
17680	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	30	135.00
17681	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	5	35.00
17682	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	15	85.00
17683	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	30	135.00
17684	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	5	35.00
17685	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	15	85.00
17686	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	30	135.00
17687	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	5	35.00

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated) Type: THOMACHEM PLARK Shore A 45°

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17688	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	15	85.00
17689	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	30	135.00
17690	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	5	36.00
17691	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	15	89.00
17692	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	30	143.00
17693	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	5	36.00
17694	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	15	89.00
17695	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	30	143.00
17696	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	5	36.00
17697	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	15	89.00
17698	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	30	143.00
17699	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	5	36.00
17700	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	15	89.00
17701	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	30	143.00
17702	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	5	36.00
17703	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	15	89.00
17704	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	30	143.00
17705	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	5	36.00
17706	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	15	89.00
17707	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	30	143.00
17708	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	5	36.00
17709	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	15	89.00
17710	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	30	143.00
17711	4.8	3/16"	8.0	5/16"	1.58	1/16"	clear	5	37.00
17712	4.8	3/16"	8.0	5/16"	1.58	1/16"	clear	15	94.00
17713	4.8	3/16"	8.0	5/16"	1.58	1/16"	clear	30	148.00
17714	4.8	3/16"	8.0	5/16"	1.58	1/16"	black	5	37.00
17715	4.8	3/16"	8.0	5/16"	1.58	1/16"	black	15	94.00
17716	4.8	3/16"	8.0	5/16"	1.58	1/16"	black	30	148.00
17717	4.8	3/16"	8.0	5/16"	1.58	1/16"	white	5	37.00
17718	4.8	3/16"	8.0	5/16"	1.58	1/16"	white	15	94.00
17719	4.8	3/16"	8.0	5/16"	1.58	1/16"	white	30	148.00
17720	4.8	3/16"	8.0	5/16"	1.58	1/16"	red	5	37.00
17721	4.8	3/16"	8.0	5/16"	1.58	1/16"	red	15	94.00
17722	4.8	3/16"	8.0	5/16"	1.58	1/16"	red	30	148.00
17723	4.8	3/16"	8.0	5/16"	1.58	1/16"	green	5	37.00
17724	4.8	3/16"	8.0	5/16"	1.58	1/16"	green	15	94.00
17725	4.8	3/16"	8.0	5/16"	1.58	1/16"	green	30	148.00
17726	4.8	3/16"	8.0	5/16"	1.58	1/16"	blue	5	37.00
17727	4.8	3/16"	8.0	5/16"	1.58	1/16"	blue	15	94.00
17728	4.8	3/16"	8.0	5/16"	1.58	1/16"	blue	30	148.00
17729	4.8	3/16"	8.0	5/16"	1.58	1/16"	yellow	5	37.00
17730	4.8	3/16"	8.0	5/16"	1.58	1/16"	yellow	15	94.00
17731	4.8	3/16"	8.0	5/16"	1.58	1/16"	yellow	30	148.00
17732	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	5	76.00
17733	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	15	188.00
17734	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	30	216.00
17735	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	5	76.00
17736	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	15	188.00
17737	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	30	216.00
17738	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	5	76.00
17739	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	15	188.00
17740	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	30	216.00
17741	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	5	76.00
17742	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	15	188.00
17743	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	30	216.00
17744	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	5	76.00
17745	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	15	188.00
17746	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	30	216.00
17747	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	5	76.00
17748	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	15	188.00
17749	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	30	216.00

## THOMAFLUID®

### THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated) Type: THOMACHEM PLARK Shore A 45°

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17750	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	5	76.00
17751	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	15	188.00
17752	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	30	216.00
17753	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	5	55.00
17754	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	15	132.00
17755	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	30	206.00
17756	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	5	55.00
17757	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	15	132.00
17758	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	30	206.00
17759	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	5	55.00
17760	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	15	132.00
17761	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	30	206.00
17762	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	5	55.00
17763	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	15	132.00
17764	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	30	206.00
17765	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	5	55.00
17766	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	15	132.00
17767	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	30	206.00
17768	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	5	55.00
17769	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	15	132.00
17770	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	30	206.00
17771	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	5	55.00
17772	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	15	132.00
17773	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	30	206.00
17774	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	5	49.00
17775	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	15	115.00
17776	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	30	186.00
17777	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	5	49.00
17778	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	15	115.00
17779	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	30	186.00
17780	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	5	49.00
17781	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	15	115.00
17782	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	30	186.00
17783	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	5	49.00
17784	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	15	115.00
17785	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	30	186.00
17786	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	5	49.00
17787	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	15	115.00
58378	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	30	186.00
17788	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	5	49.00
17789	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	15	115.00
17790	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	30	186.00
17791	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	5	49.00
17792	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	15	115.00
17793	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	30	186.00

### THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated) Type: THOMACHEM PLARK Shore A 68°

#### Product specification:

- Very high flexibility
- Good mechanical stability
- Non-toxic, pyrogen-free
- Good resistance to aging and weather
- Very good dielectric properties
- Hardly inflammable
- Antiadhesive surface

## TUBING TECHNOLOGY-ELASTOMERS

- Resistant to most dilute and concentrated acids (e.g. hydrochloric acid, dilute nitric acid, dilute chromic acid) as well as aqueous salt solutions.
- Resistant to minerals, vegetable oils, paraffin oil, alcohol, gasoline, aliphatic hydrocarbons (e.g. pentane, octane), and long-chain fatty acids.

## Technical specification:

- Material: PVC (polyvinyl chloride), highly cross-linked
- Colour: alternatively opaque clear, self-coloured black, self-coloured white, opaque red, opaque green, opaque blue, opaque yellow
- Shore hardness A: 68° ± 3° (DIN 53505)
- Temperature range: -20 °C to +65 °C, for a short period +80 °C
- Tolerances: DIN ISO 3302-1 E1/E2 (DIN 7715 E1/E2), calibrated

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16721	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	5	19.00
16722	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	15	48.00
16723	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	30	74.00
16724	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	5	19.00
16725	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	15	48.00
16726	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	30	74.00
16727	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	5	19.00
16728	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	15	48.00
16729	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	30	74.00
16730	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	5	19.00
16731	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	15	48.00
16732	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	30	74.00
16733	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	5	19.00
16734	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	15	48.00
16735	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	30	74.00
16736	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	5	19.00
16737	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	15	48.00
16738	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	30	74.00
16739	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	5	19.00



16 721



16 721

16740	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	15	48.00
16741	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	30	74.00
16742	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	5	48.00
16743	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	15	116.00
16744	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	30	186.00
16745	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	5	48.00
16746	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	15	116.00
16747	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	30	186.00
16748	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	5	48.00
16749	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	15	116.00

## THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated)

Type: THOMACHEM PLARK Shore A 68°

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16750	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	30	186.00
16751	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	5	48.00
16752	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	15	116.00
16753	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	30	186.00
16754	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	5	48.00
16755	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	15	116.00
16756	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	30	186.00
16757	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	5	48.00
16758	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	15	116.00
16759	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	30	186.00
16760	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	5	48.00
16761	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	15	116.00
16762	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	30	186.00
16763	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	5	25.00
16764	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	15	63.00
16765	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	30	100.00
16766	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	5	25.00
16767	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	15	63.00
16768	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	30	100.00
16769	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	5	25.00
16770	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	15	63.00
16771	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	30	100.00
16772	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	5	25.00
16773	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	15	63.00
16774	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	30	100.00
16775	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	5	25.00
16776	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	15	63.00
16777	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	30	100.00
16778	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	5	25.00
16779	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	15	63.00
16780	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	30	100.00
16781	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	5	25.00
16782	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	15	63.00
16783	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	30	100.00
16784	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	5	29.00
16785	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	15	68.00
16786	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	30	107.00
16787	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	5	29.00
16788	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	15	68.00
16789	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	30	107.00
16790	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	5	29.00
16791	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	15	68.00
16792	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	30	107.00
16793	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	5	29.00
16794	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	15	68.00
16795	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	30	107.00
16796	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	5	29.00
16797	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	15	68.00
16798	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	30	107.00
16799	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	5	29.00
16800	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	15	68.00
16801	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	30	107.00
16802	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	5	29.00
16803	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	15	68.00
16804	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	30	107.00
16805	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	5	35.00
16806	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	15	86.00
16807	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	30	138.00
16808	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	5	35.00
16809	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	15	86.00
16810	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	30	138.00

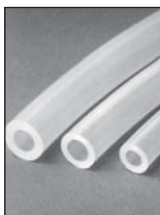
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16811	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	5	35.00
16812	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	15	86.00
16813	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	30	138.00
16814	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	5	35.00
16815	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	15	86.00
16816	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	30	138.00
16817	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	5	35.00
16818	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	15	86.00



16 811



16 811

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16858	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	30	216.00
16859	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	5	58.00
16860	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	15	140.00
16861	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	30	216.00
16862	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	5	58.00
16863	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	15	140.00
16864	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	30	216.00
16865	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	5	58.00



16 858



16 858

16819	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	30	138.00
16820	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	5	35.00
16821	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	15	86.00
16822	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	30	138.00
16823	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	5	35.00
16824	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	15	86.00
16825	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	30	138.00
16826	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	5	40.00
16827	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	15	101.00
16828	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	30	160.00
16829	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	5	40.00
16830	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	15	101.00
16831	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	30	160.00
16832	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	5	40.00
16833	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	15	101.00
16834	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	30	160.00
16835	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	5	40.00
16836	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	15	101.00
16837	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	30	160.00
16838	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	5	40.00
16839	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	15	101.00
16840	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	30	160.00
16841	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	5	40.00
16842	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	15	101.00
16843	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	30	160.00
16844	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	5	40.00
16845	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	15	101.00
16846	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	30	160.00
16847	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	5	58.00
16848	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	15	140.00
16849	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	30	216.00
16850	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	5	58.00
16851	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	15	140.00
16852	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	30	216.00
16853	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	5	58.00
16854	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	15	140.00
16855	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	30	216.00
16856	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	5	58.00
16857	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	15	140.00

16866	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	15	140.00
16867	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	30	216.00
16868	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	5	29.00
16869	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	15	73.00
16870	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	30	115.00
16871	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	5	29.00
16872	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	15	73.00
16873	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	30	115.00
16874	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	5	29.00
16875	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	15	73.00
16876	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	30	115.00
16877	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	5	29.00
16878	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	15	73.00
16879	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	30	115.00
16880	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	5	29.00
16881	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	15	73.00
16882	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	30	115.00
16883	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	5	29.00
16884	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	15	73.00
16885	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	30	115.00
16886	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	5	29.00
16887	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	15	73.00
16888	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	30	115.00
16889	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	5	30.00
16890	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	15	75.00
16891	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	30	119.00
16892	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	5	30.00
16893	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	15	75.00
16894	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	30	119.00
16895	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	5	30.00
16896	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	15	75.00
16897	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	30	119.00
16898	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	5	30.00
16899	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	15	75.00
16900	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	30	119.00
16901	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	5	30.00
16902	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	15	75.00
16903	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	30	119.00
16904	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	5	30.00
16905	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	15	75.00




## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**


Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16906	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	30	119.00
16907	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	5	30.00
16908	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	15	75.00
16909	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	30	119.00
16910	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	5	37.00
16911	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	15	94.00
16912	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	30	148.00
16913	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	5	37.00
16914	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	15	94.00
16915	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	30	148.00
16916	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	5	37.00
16917	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	15	94.00
16918	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	30	148.00
16919	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	5	37.00
16920	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	15	94.00
16921	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	30	148.00
16922	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	5	37.00
16923	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	15	94.00
16924	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	30	148.00
16925	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	5	37.00
16926	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	15	94.00
16927	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	30	148.00
16928	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	5	37.00
16929	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	15	94.00
16930	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	30	148.00
16931	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	5	79.00
16932	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	15	194.00
16933	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	30	301.00
16934	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	5	79.00
16935	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	15	194.00
16936	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	30	301.00
16937	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	5	79.00
16938	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	15	194.00
16939	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	30	301.00
16940	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	5	79.00
16941	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	15	194.00
16942	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	30	301.00
16943	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	5	79.00
16944	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	15	194.00
16945	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	30	301.00
16946	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	5	79.00
16947	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	15	194.00
16948	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	30	301.00
16949	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	5	79.00
16950	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	15	194.00
16951	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	30	301.00
16952	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	5	57.00
16953	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	15	139.00
16954	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	30	215.00
16955	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	5	57.00
16956	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	15	139.00
16957	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	30	215.00
16958	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	5	57.00
16959	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	15	139.00
16960	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	30	215.00
16961	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	5	57.00
16962	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	15	139.00
16963	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	30	215.00
16964	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	5	57.00
16965	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	15	139.00
16966	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	30	215.00
16967	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	5	57.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
16968	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	15	139.00
16969	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	30	215.00
16970	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	5	57.00
16971	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	15	139.00
16972	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	30	215.00
16973	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	5	48.00
16974	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	15	117.00
16975	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	30	187.00



16 906



16 906

16976	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	5	48.00
16977	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	15	117.00
16978	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	30	187.00
16979	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	5	48.00
16980	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	15	117.00
16981	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	30	187.00
16982	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	5	48.00
16983	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	15	117.00
16984	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	30	187.00
16985	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	5	48.00
16986	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	15	117.00
16987	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	30	187.00
16988	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	5	48.00
16989	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	15	117.00
16990	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	30	187.00
16991	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	5	48.00
16992	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	15	117.00
16993	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	30	187.00
16994	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	5	66.00
16995	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	15	160.00
16996	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	30	247.00
16997	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	5	66.00
16998	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	15	160.00
16999	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	30	247.00
17000	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	5	66.00
17001	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	15	160.00
17002	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	30	247.00
17003	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	5	66.00
17004	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	15	160.00
17005	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	30	247.00
17006	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	5	66.00
17007	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	15	160.00
17008	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	30	247.00
17009	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	5	66.00
17010	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	15	160.00
17011	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	30	247.00
17012	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	5	66.00
17013	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	15	160.00
17014	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	30	247.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17015	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	5	53.00
17016	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	15	127.00
17017	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	30	198.00
17018	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	5	53.00
17019	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	15	127.00
17020	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	30	198.00
17021	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	5	53.00
17022	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	15	127.00
17023	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	30	198.00
17024	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	5	53.00
17025	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	15	127.00
17026	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	30	198.00
17027	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	5	53.00
17028	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	15	127.00
17029	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	30	198.00
17030	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	5	53.00
17031	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	15	127.00
17032	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	30	198.00
17033	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	5	53.00
17034	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	15	127.00
17035	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	30	198.00
17036	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	5	78.00
17037	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	15	188.00
17038	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	30	293.00
17039	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	5	78.00
17040	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	15	188.00
17041	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	30	293.00
17042	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	5	78.00
17043	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	15	188.00
17044	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	30	293.00
17045	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	5	78.00
17046	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	15	188.00
17047	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	30	293.00
17048	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	5	78.00
17049	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	15	188.00
17050	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	30	293.00
17051	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	5	78.00
17052	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	15	188.00
17053	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	30	293.00
17054	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	5	78.00
17055	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	15	188.00
17056	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	30	293.00
17057	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	5	63.00
17058	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	15	153.00
17059	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	30	237.00
17060	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	5	63.00
17061	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	15	153.00
17062	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	30	237.00
17063	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	5	63.00
17064	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	15	153.00
17065	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	30	237.00
17066	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	5	63.00
17067	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	15	153.00
17068	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	30	237.00
17069	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	5	63.00
17070	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	15	153.00
17071	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	30	237.00
17072	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	5	63.00
17073	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	15	153.00
17074	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	30	237.00
17075	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	5	63.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 68°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17076	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	15	153.00
17077	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	30	237.00
17078	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	5	68.00
17079	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	15	166.00
17080	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	30	258.00
17081	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	5	68.00
17082	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	15	166.00
17083	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	30	258.00
17084	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	5	68.00
17085	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	15	166.00
17086	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	30	258.00
17087	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	5	68.00
17088	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	15	166.00
17089	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	30	258.00
17090	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	5	68.00
17091	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	15	166.00
17092	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	30	258.00
17093	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	5	68.00
17094	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	15	166.00
17095	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	30	258.00
17096	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	5	68.00
17097	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	15	166.00
17098	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	30	258.00
17099	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	5	78.00
17100	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	15	191.00
17101	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	30	296.00
17102	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	5	78.00
17103	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	15	191.00
17104	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	30	296.00
17105	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	5	78.00
17106	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	15	191.00
17107	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	30	296.00
17108	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	5	78.00
17109	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	15	191.00
17110	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	30	296.00
17111	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	5	78.00
17112	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	15	191.00
17113	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	30	296.00
17114	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	5	78.00
17115	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	15	191.00
17116	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	30	296.00
17117	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	5	78.00
17118	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	15	191.00
17119	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	30	296.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**
**Product specification:**

- Semi-rigid flexibility
- Good mechanical stability
- Non-toxic, pyrogen-free
- Good resistance to aging and weather
- Very good dielectric properties
- Hardly inflammable



## TUBING TECHNOLOGY-ELASTOMERS

- Antiadhesive surface
- Resistant to most dilute and concentrated acids (e.g. hydrochloric acid, dilute nitric acid, dilute chromic acid) as well as aqueous salt solutions.
- Resistant to minerals, vegetable oils, paraffin oil, alcohol, gasoline, aliphatic hydrocarbons (e.g. pentane, octane), and long-chain fatty acids.

## Technical specification:

- Material: PVC (polyvinyl chloride), highly cross-linked
- Colour: alternatively opaque clear, self-coloured black, self-coloured white, opaque red, opaque green, opaque blue, opaque yellow
- Shore hardness A: 90° ± 3° (DIN 53505)
- Temperature range: -20 °C to +65 °C, for a short period +80 °C
- Tolerances: DIN ISO 3302-1 E1/E2 (DIN 7715 E1/E2), calibrated

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17122	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	5	19.00
17123	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	15	48.00
17124	1.6	1/16"	3.2	1/8"	0.8	1/32"	clear	30	74.00
17125	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	5	19.00
17126	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	15	48.00
17127	1.6	1/16"	3.2	1/8"	0.8	1/32"	black	30	74.00
17128	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	5	19.00
17129	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	15	48.00
17130	1.6	1/16"	3.2	1/8"	0.8	1/32"	white	30	74.00
17131	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	5	19.00
17132	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	15	48.00
17133	1.6	1/16"	3.2	1/8"	0.8	1/32"	red	30	74.00
17134	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	5	19.00
17135	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	15	48.00
17136	1.6	1/16"	3.2	1/8"	0.8	1/32"	green	30	74.00
17137	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	5	19.00
17138	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	15	48.00
17139	1.6	1/16"	3.2	1/8"	0.8	1/32"	blue	30	74.00



17 122



17 122

17140	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	5	19.00
17141	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	15	48.00
17142	1.6	1/16"	3.2	1/8"	0.8	1/32"	yellow	30	74.00
17143	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	5	48.00
17144	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	15	116.00
17145	1.6	1/16"	6.4	1/4"	2.4	3/32"	clear	30	186.00
17146	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	5	48.00
17147	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	15	116.00
17148	1.6	1/16"	6.4	1/4"	2.4	3/32"	black	30	186.00
17149	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	5	48.00

### THOMAFLUID® High-Tech Colour PVC Chemical Tubing (calibrated)

Type: THOMACHEM PLARK Shore A 90°

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17150	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	15	116.00
17151	1.6	1/16"	6.4	1/4"	2.4	3/32"	white	30	186.00
17152	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	5	48.00
17153	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	15	116.00
17154	1.6	1/16"	6.4	1/4"	2.4	3/32"	red	30	186.00
17155	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	5	48.00
17156	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	15	116.00
17157	1.6	1/16"	6.4	1/4"	2.4	3/32"	green	30	186.00
17158	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	5	48.00
17159	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	15	116.00
17160	1.6	1/16"	6.4	1/4"	2.4	3/32"	blue	30	186.00
17161	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	5	48.00
17162	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	15	116.00
17163	1.6	1/16"	6.4	1/4"	2.4	3/32"	yellow	30	186.00
17164	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	5	25.00
17165	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	15	63.00
17166	2.4	3/32"	4.0	5/32"	0.8	1/32"	clear	30	100.00
17167	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	5	25.00
17168	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	15	63.00
17169	2.4	3/32"	4.0	5/32"	0.8	1/32"	black	30	100.00
17170	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	5	25.00
17171	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	15	63.00
17172	2.4	3/32"	4.0	5/32"	0.8	1/32"	white	30	100.00
17173	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	5	25.00
17174	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	15	63.00
17175	2.4	3/32"	4.0	5/32"	0.8	1/32"	red	30	100.00
17176	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	5	25.00
17177	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	15	63.00
17178	2.4	3/32"	4.0	5/32"	0.8	1/32"	green	30	100.00
17179	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	5	25.00
17180	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	15	63.00
17181	2.4	3/32"	4.0	5/32"	0.8	1/32"	blue	30	100.00
17182	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	5	25.00
17183	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	15	63.00
17184	2.4	3/32"	4.0	5/32"	0.8	1/32"	yellow	30	100.00
17185	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	5	29.00
17186	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	15	68.00
17187	3.2	1/8"	4.8	3/16"	0.8	1/32"	clear	30	107.00
17188	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	5	29.00
17189	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	15	68.00
17190	3.2	1/8"	4.8	3/16"	0.8	1/32"	black	30	107.00
17191	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	5	29.00
17192	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	15	68.00
17193	3.2	1/8"	4.8	3/16"	0.8	1/32"	white	30	107.00
17194	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	5	29.00
17195	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	15	68.00
17196	3.2	1/8"	4.8	3/16"	0.8	1/32"	red	30	107.00
17197	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	5	29.00
17198	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	15	68.00
17199	3.2	1/8"	4.8	3/16"	0.8	1/32"	green	30	107.00
17200	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	5	29.00
17201	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	15	68.00
17202	3.2	1/8"	4.8	3/16"	0.8	1/32"	blue	30	107.00
17203	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	5	29.00
17204	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	15	68.00
17205	3.2	1/8"	4.8	3/16"	0.8	1/32"	yellow	30	107.00
17206	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	5	35.00
17207	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	15	86.00
17208	3.2	1/8"	6.4	1/4"	1.6	1/16"	clear	30	138.00
17209	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	5	35.00
17210	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	15	86.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17211	3.2	1/8"	6.4	1/4"	1.6	1/16"	black	30	138.00
17212	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	5	35.00
17213	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	15	86.00
17214	3.2	1/8"	6.4	1/4"	1.6	1/16"	white	30	138.00
17215	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	5	35.00
17216	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	15	86.00
17217	3.2	1/8"	6.4	1/4"	1.6	1/16"	red	30	138.00
17218	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	5	35.00



17 211



17 211

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17257	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	5	58.00
17258	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	15	140.00
17259	4.0	5/32"	8.7	11/32"	2.4	3/32"	red	30	216.00
17260	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	5	58.00
17261	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	15	140.00
17262	4.0	5/32"	8.7	11/32"	2.4	3/32"	green	30	216.00
17263	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	5	58.00
17264	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	15	140.00



17 257



17 257

17219	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	15	86.00
17220	3.2	1/8"	6.4	1/4"	1.6	1/16"	green	30	138.00
17221	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	5	35.00
17222	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	15	86.00
17223	3.2	1/8"	6.4	1/4"	1.6	1/16"	blue	30	138.00
17224	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	5	35.00
17225	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	15	86.00
17226	3.2	1/8"	6.4	1/4"	1.6	1/16"	yellow	30	138.00
17227	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	5	40.00
17228	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	15	101.00
17229	4.0	5/32"	7.2	9/32"	1.6	1/16"	clear	30	160.00
17230	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	5	40.00
17231	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	15	101.00
17232	4.0	5/32"	7.2	9/32"	1.6	1/16"	black	30	160.00
17233	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	5	40.00
17234	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	15	101.00
17235	4.0	5/32"	7.2	9/32"	1.6	1/16"	white	30	160.00
17236	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	5	40.00
17237	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	15	101.00
17238	4.0	5/32"	7.2	9/32"	1.6	1/16"	red	30	160.00
17239	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	5	40.00
17240	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	15	101.00
17241	4.0	5/32"	7.2	9/32"	1.6	1/16"	green	30	160.00
17242	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	5	40.00
17243	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	15	101.00
17244	4.0	5/32"	7.2	9/32"	1.6	1/16"	blue	30	160.00
17245	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	5	40.00
17246	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	15	101.00
17247	4.0	5/32"	7.2	9/32"	1.6	1/16"	yellow	30	160.00
17248	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	5	58.00
17249	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	15	140.00
17250	4.0	5/32"	8.7	11/32"	2.4	3/32"	clear	30	216.00
17251	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	5	58.00
17252	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	15	140.00
17253	4.0	5/32"	8.7	11/32"	2.4	3/32"	black	30	216.00
17254	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	5	58.00
17255	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	15	140.00
17256	4.0	5/32"	8.7	11/32"	2.4	3/32"	white	30	216.00

17265	4.0	5/32"	8.7	11/32"	2.4	3/32"	blue	30	216.00
17266	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	5	58.00
17267	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	15	140.00
17268	4.0	5/32"	8.7	11/32"	2.4	3/32"	yellow	30	216.00
17269	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	5	29.00
17270	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	15	73.00
17271	4.4	11/64"	6.4	1/4"	1.2	3/64"	clear	30	115.00
17272	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	5	29.00
17273	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	15	73.00
17274	4.4	11/64"	6.4	1/4"	1.2	3/64"	black	30	115.00
17275	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	5	29.00
17276	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	15	73.00
17277	4.4	11/64"	6.4	1/4"	1.2	3/64"	white	30	115.00
17278	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	5	29.00
17279	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	15	73.00
17280	4.4	11/64"	6.4	1/4"	1.2	3/64"	red	30	115.00
17281	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	5	29.00
17282	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	15	73.00
17283	4.4	11/64"	6.4	1/4"	1.2	3/64"	green	30	115.00
17284	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	5	29.00
17285	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	15	73.00
17286	4.4	11/64"	6.4	1/4"	1.2	3/64"	blue	30	115.00
17287	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	5	29.00
17288	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	15	73.00
17289	4.4	11/64"	6.4	1/4"	1.2	3/64"	yellow	30	115.00
17290	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	5	30.00
17291	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	15	75.00
17292	4.8	3/16"	6.4	1/4"	0.8	1/32"	clear	30	119.00
17293	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	5	30.00
17294	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	15	75.00
17295	4.8	3/16"	6.4	1/4"	0.8	1/32"	black	30	119.00
17296	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	5	30.00
17297	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	15	75.00
17298	4.8	3/16"	6.4	1/4"	0.8	1/32"	white	30	119.00
17299	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	5	30.00
17300	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	15	75.00
17301	4.8	3/16"	6.4	1/4"	0.8	1/32"	red	30	119.00
17302	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	5	30.00
17303	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	15	75.00
17304	4.8	3/16"	6.4	1/4"	0.8	1/32"	green	30	119.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17305	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	5	30.00
17306	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	15	75.00
17307	4.8	3/16"	6.4	1/4"	0.8	1/32"	blue	30	119.00
17308	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	5	30.00
17309	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	15	75.00
17310	4.8	3/16"	6.4	1/4"	0.8	1/32"	yellow	30	119.00
17311	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	5	37.00
17312	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	15	94.00
17313	4.8	3/16"	8.0	5/16"	1.6	1/16"	clear	30	148.00
17314	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	5	37.00
17315	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	15	94.00
17316	4.8	3/16"	8.0	5/16"	1.6	1/16"	black	30	148.00
17317	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	5	37.00
17318	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	15	94.00
17319	4.8	3/16"	8.0	5/16"	1.6	1/16"	white	30	148.00
17320	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	5	37.00
17321	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	15	94.00
17322	4.8	3/16"	8.0	5/16"	1.6	1/16"	red	30	148.00
17323	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	5	37.00
17324	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	15	94.00
17325	4.8	3/16"	8.0	5/16"	1.6	1/16"	green	30	148.00
17326	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	5	37.00
17327	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	15	94.00
17328	4.8	3/16"	8.0	5/16"	1.6	1/16"	blue	30	148.00
17329	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	5	37.00
17330	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	15	94.00
17331	4.8	3/16"	8.0	5/16"	1.6	1/16"	yellow	30	148.00
17332	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	5	79.00
17333	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	15	194.00
17334	4.8	3/16"	11.2	7/16"	3.2	1/8"	clear	30	301.00
17335	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	5	79.00
17336	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	15	194.00
17337	4.8	3/16"	11.2	7/16"	3.2	1/8"	black	30	301.00
17338	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	5	79.00
17339	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	15	194.00
17340	4.8	3/16"	11.2	7/16"	3.2	1/8"	white	30	301.00
17341	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	5	79.00
17342	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	15	194.00
17343	4.8	3/16"	11.2	7/16"	3.2	1/8"	red	30	301.00
17344	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	5	79.00
17345	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	15	194.00
17346	4.8	3/16"	11.2	7/16"	3.2	1/8"	green	30	301.00
17347	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	5	79.00
17348	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	15	194.00
17349	4.8	3/16"	11.2	7/16"	3.2	1/8"	blue	30	301.00
17350	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	5	79.00
17351	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	15	194.00
17352	4.8	3/16"	11.2	7/16"	3.2	1/8"	yellow	30	301.00
17353	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	5	57.00
17354	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	15	139.00
17355	4.8	3/16"	9.5	3/8"	2.4	3/32"	clear	30	215.00
17356	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	5	57.00
17357	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	15	139.00
17358	4.8	3/16"	9.5	3/8"	2.4	3/32"	black	30	215.00
17359	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	5	57.00
17360	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	15	139.00
17361	4.8	3/16"	9.5	3/8"	2.4	3/32"	white	30	215.00
17362	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	5	57.00
17363	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	15	139.00
17364	4.8	3/16"	9.5	3/8"	2.4	3/32"	red	30	215.00
17365	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	5	57.00
17366	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	15	139.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17367	4.8	3/16"	9.5	3/8"	2.4	3/32"	green	30	215.00
17368	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	5	57.00
17369	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	15	139.00
17370	4.8	3/16"	9.5	3/8"	2.4	3/32"	blue	30	215.00
17371	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	5	57.00
17372	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	15	139.00
17373	4.8	3/16"	9.5	3/8"	2.4	3/32"	yellow	30	215.00
17374	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	5	48.00



17305



17305

17375	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	15	117.00
17376	6.4	1/4"	9.5	3/8"	1.6	1/16"	clear	30	187.00
17377	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	5	48.00
17378	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	15	117.00
17379	6.4	1/4"	9.5	3/8"	1.6	1/16"	black	30	187.00
17380	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	5	48.00
17381	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	15	117.00
17382	6.4	1/4"	9.5	3/8"	1.6	1/16"	white	30	187.00
17383	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	5	48.00
17384	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	15	117.00
17385	6.4	1/4"	9.5	3/8"	1.6	1/16"	red	30	187.00
17386	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	5	48.00
17387	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	15	117.00
58379	6.4	1/4"	9.5	3/8"	1.6	1/16"	green	30	187.00
17388	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	5	48.00
17389	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	15	117.00
17390	6.4	1/4"	9.5	3/8"	1.6	1/16"	blue	30	187.00
17391	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	5	48.00
17392	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	15	117.00
17393	6.4	1/4"	9.5	3/8"	1.6	1/16"	yellow	30	187.00
17394	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	5	66.00
17395	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	15	160.00
17396	6.4	1/4"	11.2	7/16"	2.4	3/32"	clear	30	247.00
17397	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	5	66.00
17398	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	15	160.00
17399	6.4	1/4"	11.2	7/16"	2.4	3/32"	black	30	247.00
17400	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	5	66.00
17401	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	15	160.00
17402	6.4	1/4"	11.2	7/16"	2.4	3/32"	white	30	247.00
17403	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	5	66.00
17404	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	15	160.00
17405	6.4	1/4"	11.2	7/16"	2.4	3/32"	red	30	247.00
17406	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	5	66.00
17407	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	15	160.00
17408	6.4	1/4"	11.2	7/16"	2.4	3/32"	green	30	247.00
17409	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	5	66.00
17410	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	15	160.00
17411	6.4	1/4"	11.2	7/16"	2.4	3/32"	blue	30	247.00
17412	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	5	66.00
17413	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	15	160.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17414	6.4	1/4"	11.2	7/16"	2.4	3/32"	yellow	30	247.00
17415	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	5	53.00
17416	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	15	127.00
17417	8.0	5/16"	11.2	7/16"	1.6	1/16"	clear	30	198.00
17418	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	5	53.00
17419	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	15	127.00
17420	8.0	5/16"	11.2	7/16"	1.6	1/16"	black	30	198.00
17421	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	5	53.00
17422	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	15	127.00
17423	8.0	5/16"	11.2	7/16"	1.6	1/16"	white	30	198.00
17424	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	5	53.00
17425	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	15	127.00
17426	8.0	5/16"	11.2	7/16"	1.6	1/16"	red	30	198.00
17427	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	5	53.00
17428	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	15	127.00
17429	8.0	5/16"	11.2	7/16"	1.6	1/16"	green	30	198.00
17430	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	5	53.00
17431	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	15	127.00
17432	8.0	5/16"	11.2	7/16"	1.6	1/16"	blue	30	198.00
17433	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	5	53.00
17434	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	15	127.00
17435	8.0	5/16"	11.2	7/16"	1.6	1/16"	yellow	30	198.00
17436	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	5	78.00
17437	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	15	188.00
17438	8.0	5/16"	12.7	1/2"	2.4	3/32"	clear	30	293.00
17439	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	5	78.00
17440	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	15	188.00
17441	8.0	5/16"	12.7	1/2"	2.4	3/32"	black	30	293.00
17442	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	5	78.00
17443	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	15	188.00
17444	8.0	5/16"	12.7	1/2"	2.4	3/32"	white	30	293.00
17445	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	5	78.00
17446	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	15	188.00
17447	8.0	5/16"	12.7	1/2"	2.4	3/32"	red	30	293.00
17448	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	5	78.00
17449	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	15	188.00
17450	8.0	5/16"	12.7	1/2"	2.4	3/32"	green	30	293.00
17451	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	5	78.00
17452	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	15	188.00
17453	8.0	5/16"	12.7	1/2"	2.4	3/32"	blue	30	293.00
17454	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	5	78.00
17455	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	15	188.00
17456	8.0	5/16"	12.7	1/2"	2.4	3/32"	yellow	30	293.00
17457	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	5	63.00
17458	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	15	153.00
17459	9.5	3/8"	12.7	1/2"	1.6	1/16"	clear	30	237.00
17460	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	5	63.00
17461	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	15	153.00
17462	9.5	3/8"	12.7	1/2"	1.6	1/16"	black	30	237.00
17463	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	5	63.00
17464	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	15	153.00
17465	9.5	3/8"	12.7	1/2"	1.6	1/16"	white	30	237.00
17466	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	5	63.00
17467	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	15	153.00
17468	9.5	3/8"	12.7	1/2"	1.6	1/16"	red	30	237.00
17469	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	5	63.00
17470	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	15	153.00
17471	9.5	3/8"	12.7	1/2"	1.6	1/16"	green	30	237.00
17472	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	5	63.00
17473	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	15	153.00
17474	9.5	3/8"	12.7	1/2"	1.6	1/16"	blue	30	237.00

**THOMAFLUID® High-Tech Colour PVC  
Chemical Tubing (calibrated)  
Type: THOMACHEM PLARK Shore A 90°**

Cat. No.	I. D. mm	I. D. inch	O. D. mm	O. D. inch	Wall thick- ness mm	Wall thick- ness inch	Colour	Length m	Price EURO
17475	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	5	63.00
17476	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	15	153.00
17477	9.5	3/8"	12.7	1/2"	1.6	1/16"	yellow	30	237.00
17478	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	5	68.00
17479	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	15	166.00
17480	11.1	7/16"	14.3	9/16"	1.6	1/16"	clear	30	258.00
17481	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	5	68.00
17482	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	15	166.00
17483	11.1	7/16"	14.3	9/16"	1.6	1/16"	black	30	258.00
17484	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	5	68.00
17485	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	15	166.00
17486	11.1	7/16"	14.3	9/16"	1.6	1/16"	white	30	258.00
17487	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	5	68.00
17488	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	15	166.00
17489	11.1	7/16"	14.3	9/16"	1.6	1/16"	red	30	258.00
17490	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	5	68.00
17491	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	15	166.00
17492	11.1	7/16"	14.3	9/16"	1.6	1/16"	green	30	258.00
17493	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	5	68.00
17494	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	15	166.00
17495	11.1	7/16"	14.3	9/16"	1.6	1/16"	blue	30	258.00
17496	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	5	68.00
17497	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	15	166.00
17498	11.1	7/16"	14.3	9/16"	1.6	1/16"	yellow	30	258.00
17499	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	5	78.00
17500	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	15	191.00
17501	12.7	1/2"	15.9	5/8"	1.6	1/16"	clear	30	296.00
17502	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	5	78.00
17503	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	15	191.00
17504	12.7	1/2"	15.9	5/8"	1.6	1/16"	black	30	296.00
17505	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	5	78.00
17506	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	15	191.00
17507	12.7	1/2"	15.9	5/8"	1.6	1/16"	white	30	296.00
17508	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	5	78.00
17509	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	15	191.00
17510	12.7	1/2"	15.9	5/8"	1.6	1/16"	red	30	296.00
17511	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	5	78.00
17512	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	15	191.00
17513	12.7	1/2"	15.9	5/8"	1.6	1/16"	green	30	296.00
17514	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	5	78.00
17515	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	15	191.00
17516	12.7	1/2"	15.9	5/8"	1.6	1/16"	blue	30	296.00
17517	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	5	78.00
17518	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	15	191.00
17519	12.7	1/2"	15.9	5/8"	1.6	1/16"	yellow	30	296.00

**THOMAFLUID® PVC Chemical Tubing  
"Standard"  
Type: THOMACHEM GSN**

**Application areas:**

- Chemical engineering
- Process engineering
- Laboratory technology
- Pharmaceutical technology
- Process technology
- Environmental technology

## TUBING TECHNOLOGY-ELASTOMERS

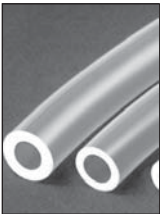
**Product specification:**

- Conveying tubing
- Good chemical resistance
- Good mechanical stability
- Good resistance to aging and weather
- Very good dielectric properties
- Hardly inflammable
- Antiadhesive surface
- Flexible, resistant material

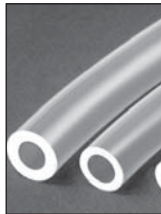
**Technical specification:**

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 75° ± 3° (DIN 53505)
- Temperature range: -20 °C to +60 °C, for a short time +70 °C
- Tolerances: DIN 16940
- Max. operating pressure: 3.5 to 15 bar depending on wall thickness and temperature
- Density: 1.25 g/cm<sup>3</sup>

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
941051	2.0	4.0	13.0	10	14.00
941052	2.0	4.0	13.0	30	33.00
941101	3.0	5.0	9.5	10	16.00
941102	3.0	5.0	9.5	30	39.00
26783	3.0	6.0	12.5	10	16.00
26784	3.0	6.0	12.5	30	39.00
941151	4.0	6.0	7.5	10	17.00
941152	4.0	6.0	7.5	30	41.00
26785	4.0	7.0	10.5	10	19.00
26786	4.0	7.0	10.5	30	44.00
26787	4.0	8.0	12.5	10	22.00
26788	4.0	8.0	12.5	30	53.00
26789	4.0	10.0	12.5	10	41.00
26790	4.0	10.0	12.5	30	98.00
941201	5.0	7.0	6.0	10	20.00
941202	5.0	7.0	6.0	30	47.00
26791	5.0	8.0	8.5	10	20.00
26792	5.0	8.0	8.5	30	47.00



94 1051



26 802

26793	5.0	9.0	10.5	10	26.00
26794	5.0	9.0	10.5	30	62.00
26795	5.0	12.0	12.5	10	64.00
26796	5.0	12.0	12.5	30	153.00
941251	6.0	8.0	5.5	10	23.00
941252	6.0	8.0	5.5	30	55.00
26797	6.0	9.0	7.5	10	20.00
26798	6.0	9.0	7.5	30	48.00
26799	6.0	10.0	9.5	10	30.00
26800	6.0	10.0	9.5	30	72.00
26801	6.0	12.0	12.5	10	58.00

**THOMAFLUID® PVC Chemical Tubing**  
**“Standard”**  
**Type: THOMACHEM GSN**

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
26802	6.0	12.0	12.5	30	140.00
26803	7.0	9.0	4.5	10	24.00
26804	7.0	9.0	4.5	30	57.00
26805	7.0	10.0	6.5	10	34.00
26806	7.0	10.0	6.5	30	80.00
26807	7.0	11.0	8.5	10	43.00
26808	7.0	11.0	8.5	30	104.00
26811	8.0	10.0	4.0	10	32.00
26812	8.0	10.0	4.0	30	76.00
941301	8.0	11.0	6.0	10	40.00
941302	8.0	11.0	6.0	30	95.00
26813	8.0	12.0	7.5	10	39.00
26814	8.0	12.0	7.5	30	92.00
26815	8.0	14.0	10.5	10	47.00
26816	8.0	14.0	10.5	30	112.00
26817	9.0	11.0	3.5	5	16.00
26818	9.0	11.0	3.5	15	39.00
26819	9.0	12.0	5.0	5	21.00
26820	9.0	12.0	5.0	15	51.00
26821	9.0	13.0	8.5	5	28.00
26822	9.0	13.0	8.5	15	66.00
26823	9.0	14.0	9.0	5	36.00
26824	9.0	14.0	9.0	15	86.00
26825	9.0	16.0	10.5	5	55.00
26826	9.0	16.0	10.5	15	131.00
26827	10.0	13.0	4.5	5	25.00
26828	10.0	13.0	4.5	15	60.00
26829	10.0	14.0	6.0	5	30.00
26830	10.0	14.0	6.0	15	70.00
26831	10.0	16.0	8.5	5	49.00
26832	10.0	16.0	8.5	15	117.00
26833	11.0	15.0	5.5	5	44.00
26834	11.0	15.0	5.5	15	105.00
26835	12.0	15.0	4.0	5	28.00
26836	12.0	15.0	4.0	15	67.00
26837	12.0	16.0	5.0	5	33.00
26838	12.0	16.0	5.0	15	66.00
26839	12.0	17.0	6.5	5	45.00
26840	12.0	17.0	6.5	15	109.00
26841	12.0	18.0	7.5	5	52.00
26842	12.0	18.0	7.5	15	123.00
26843	12.0	20.0	9.5	5	65.00
26844	12.0	20.0	9.5	15	155.00
26845	13.0	17.0	5.0	5	39.00
26846	13.0	17.0	5.0	15	92.00
26847	13.0	18.0	6.0	5	42.00
26848	13.0	18.0	6.0	15	101.00
26849	13.0	19.0	7.0	5	26.00
26850	13.0	19.0	7.0	15	98.00
26851	14.0	18.0	4.5	5	36.00
26852	14.0	18.0	4.5	15	85.00
26853	14.0	19.0	5.5	5	45.00
26854	14.0	19.0	5.5	15	107.00
26855	15.0	19.0	4.5	5	39.00
26856	15.0	19.0	4.5	15	92.00
26857	15.0	20.0	5.0	5	52.00
26858	15.0	20.0	5.0	15	124.00
26859	15.0	21.0	6.0	5	58.00
26860	15.0	21.0	6.0	15	138.00
26861	16.0	20.0	4.0	5	39.00
26862	16.0	20.0	4.0	15	78.00
26863	16.0	21.0	5.0	5	50.00
26864	16.0	21.0	5.0	15	118.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Chemical Tubing**  
**“Standard”**  
**Type: THOMACHEM GSN**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
26865	16.0	22.0	6.0	5	60.00
26866	16.0	22.0	6.0	15	143.00
26867	16.0	23.0	6.5	5	76.00
26868	16.0	23.0	6.5	15	183.00
26869	18.0	22.0	3.5	5	43.00
26870	18.0	22.0	3.5	15	104.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Electrical Insulation**  
**Tubing**  
**Type: RCT® High-Tech DRT**
**Application areas:**

- Electrical industry
- Telecommunications industry
- Automobile industry
- Apparatus engineering and installations

**Product specification:**

- Outstanding electrical parameters
- Lowest wall thicknesses
- Excellent resistance to aging and weather
- High colour stability
- Chemical-resistant to a great degree

**Technical specification:**

- Material: PVC (polyvinyl chloride) special compound, modified
- Shore hardness A: 92° (DIN 53505)
- Resistivity: 10<sup>12</sup> Ohm x cm
- DC resistance: absolute
- Breakdown strength: 30 kV/mm
- Dielectric constant: 50 Hz 4.0;  
800 Hz 3.4;  
1 Mill Hz 3.4
- Dissipation factor: 800 Hz 0.020;  
1 Mill Hz 0.015
- Tensile strength: 260 kg/cm<sup>2</sup> (DIN 53504)
- Elongation at break: 300 % (DIN 53504)
- Apparent density after suspension method: 1.3 (DIN 53479)
- Cold resistance according to Williams: -20 °C
- Thermal resistance: +90 °C
- Insulation class: Y according to VDE 0530

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330490	0.5	1.0	0.25	colourless	10	12.00
330491	0.5	1.0	0.25	colourless	30	30.00
330492	0.5	1.0	0.25	white	10	12.00
330493	0.5	1.0	0.25	white	30	30.00
3304931	0.5	1.0	0.25	black	10	12.00

**THOMAFLUID® PVC Electrical Insulation**  
**Tubing**  
**Type: RCT® High-Tech DRT**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
3304941	0.5	1.0	0.25	black	30	30.00
330495	0.5	1.0	0.25	red	10	12.00
330496	0.5	1.0	0.25	red	30	30.00
330497	0.5	1.0	0.25	blue	10	12.00
330498	0.5	1.0	0.25	blue	30	30.00
330499	0.5	1.0	0.25	yellow	10	12.00
330500	0.5	1.0	0.25	yellow	30	30.00
330501	0.5	1.0	0.25	green	10	12.00
330502	0.5	1.0	0.25	green	30	30.00



33 0490



33 0490

330503	0.5	1.0	0.25	brown	10	12.00
330504	0.5	1.0	0.25	brown	30	30.00
330505	0.5	1.0	0.25	violet	10	12.00
330506	0.5	1.0	0.25	violet	30	30.00
330507	0.5	1.0	0.25	orange	10	12.00
330508	0.5	1.0	0.25	orange	30	30.00
330509	0.5	1.0	0.25	yellow/green	10	12.00
330510	0.5	1.0	0.25	yellow/green	30	30.00
330511	0.5	1.0	0.25	yellow/black	10	12.00
330512	0.5	1.0	0.25	yellow/black	30	30.00
330513	1.0	1.8	0.4	colourless	10	14.00
330514	1.0	1.8	0.4	colourless	30	38.00
330515	1.0	1.8	0.4	white	10	14.00
330516	1.0	1.8	0.4	white	30	38.00
330517	1.0	1.8	0.4	black	10	14.00
330518	1.0	1.8	0.4	black	30	38.00
330519	1.0	1.8	0.4	red	10	14.00
330520	1.0	1.8	0.4	red	30	38.00
330521	1.0	1.8	0.4	blue	10	14.00
330522	1.0	1.8	0.4	blue	30	38.00
330523	1.0	1.8	0.4	yellow	10	14.00
330524	1.0	1.8	0.4	yellow	30	38.00
330525	1.0	1.8	0.4	green	10	14.00
330526	1.0	1.8	0.4	green	30	38.00
330527	1.0	1.8	0.4	brown	10	14.00
330528	1.0	1.8	0.4	brown	30	38.00
330529	1.0	1.8	0.4	violet	10	14.00
330530	1.0	1.8	0.4	violet	30	38.00
330531	1.0	1.8	0.4	orange	10	14.00
330532	1.0	1.8	0.4	orange	30	38.00
330533	1.0	1.8	0.4	yellow/green	10	14.00
330534	1.0	1.8	0.4	yellow/green	30	38.00
330535	1.0	1.8	0.4	yellow/black	10	14.00
330536	1.0	1.8	0.4	yellow/black	30	38.00
330537	2.0	2.8	0.4	colourless	10	18.00
330538	2.0	2.8	0.4	colourless	30	46.00
330539	2.0	2.8	0.4	white	10	18.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Electrical Insulation Tubing**  
**Type: RCT® High-Tech DRT**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330540	2.0	2.8	0.4	white	30	46.00
330541	2.0	2.8	0.4	black	10	18.00
330542	2.0	2.8	0.4	black	30	46.00
330543	2.0	2.8	0.4	red	10	18.00
330544	2.0	2.8	0.4	red	30	46.00
330545	2.0	2.8	0.4	blue	10	18.00
330546	2.0	2.8	0.4	blue	30	46.00
330547	2.0	2.8	0.4	yellow	10	18.00
330548	2.0	2.8	0.4	yellow	30	46.00



33 0540



33 0540

330549	2.0	2.8	0.4	green	10	18.00
330550	2.0	2.8	0.4	green	30	46.00
330551	2.0	2.8	0.4	brown	10	18.00
330552	2.0	2.8	0.4	brown	30	46.00
330553	2.0	2.8	0.4	violet	10	18.00
330554	2.0	2.8	0.4	violet	30	46.00
330555	2.0	2.8	0.4	orange	10	18.00
330556	2.0	2.8	0.4	orange	30	46.00
330557	2.0	2.8	0.4	yellow/green	10	18.00
330558	2.0	2.8	0.4	yellow/green	30	46.00
330559	2.0	2.8	0.4	yellow/black	10	18.00
330560	2.0	2.8	0.4	yellow/black	30	46.00
330561	3.0	3.8	0.4	colourless	10	20.00
330562	3.0	3.8	0.4	colourless	30	54.00
330563	3.0	3.8	0.4	white	10	20.00
330564	3.0	3.8	0.4	white	30	54.00
330565	3.0	3.8	0.4	black	10	20.00
330566	3.0	3.8	0.4	black	30	54.00
330567	3.0	3.8	0.4	red	10	20.00
330568	3.0	3.8	0.4	red	30	54.00
330569	3.0	3.8	0.4	blue	10	20.00
330570	3.0	3.8	0.4	blue	30	54.00
330571	3.0	3.8	0.4	yellow	10	20.00
330572	3.0	3.8	0.4	yellow	30	54.00
330573	3.0	3.8	0.4	green	10	20.00
330574	3.0	3.8	0.4	green	30	54.00
330575	3.0	3.8	0.4	brown	10	20.00
330576	3.0	3.8	0.4	brown	30	54.00
330577	3.0	3.8	0.4	violet	10	20.00
330578	3.0	3.8	0.4	violet	30	54.00
330579	3.0	3.8	0.4	orange	10	20.00
330580	3.0	3.8	0.4	orange	30	54.00
330581	3.0	3.8	0.4	yellow/green	10	20.00
330582	3.0	3.8	0.4	yellow/green	30	54.00
330583	3.0	3.8	0.4	yellow/black	10	20.00
330584	3.0	3.8	0.4	yellow/black	30	54.00
330585	4.0	5.0	0.5	colourless	10	26.00
330586	4.0	5.0	0.5	colourless	30	66.00

**THOMAFLUID® PVC Electrical Insulation Tubing**  
**Type: RCT® High-Tech DRT**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330587	4.0	5.0	0.5	white	10	26.00
330588	4.0	5.0	0.5	white	30	66.00
330589	4.0	5.0	0.5	black	10	26.00
330590	4.0	5.0	0.5	black	30	66.00
330591	4.0	5.0	0.5	red	10	26.00
330592	4.0	5.0	0.5	red	30	66.00
330593	4.0	5.0	0.5	blue	10	26.00
330594	4.0	5.0	0.5	blue	30	66.00
330595	4.0	5.0	0.5	yellow	10	26.00
330596	4.0	5.0	0.5	yellow	30	66.00
330597	4.0	5.0	0.5	green	10	26.00
330598	4.0	5.0	0.5	green	30	66.00
330599	4.0	5.0	0.5	brown	10	26.00
330600	4.0	5.0	0.5	brown	30	66.00
330601	4.0	5.0	0.5	violet	10	26.00
330602	4.0	5.0	0.5	violet	30	66.00
330603	4.0	5.0	0.5	orange	10	26.00
330604	4.0	5.0	0.5	orange	30	66.00
330605	4.0	5.0	0.5	yellow/green	10	26.00
330606	4.0	5.0	0.5	yellow/green	30	66.00
330607	4.0	5.0	0.5	yellow/black	10	26.00
330608	4.0	5.0	0.5	yellow/black	30	66.00
330609	5.0	6.2	0.6	colourless	10	32.00
330610	5.0	6.2	0.6	colourless	30	84.00
330611	5.0	6.2	0.6	white	10	32.00
330612	5.0	6.2	0.6	white	30	84.00
330613	5.0	6.2	0.6	red	10	32.00
330614	5.0	6.2	0.6	red	30	84.00
330615	5.0	6.2	0.6	blue	10	32.00
330616	5.0	6.2	0.6	blue	30	84.00
330617	5.0	6.2	0.6	yellow	10	32.00
330618	5.0	6.2	0.6	yellow	30	84.00
330619	5.0	6.2	0.6	green	10	32.00
330620	5.0	6.2	0.6	green	30	84.00
330621	5.0	6.2	0.6	brown	10	32.00
330622	5.0	6.2	0.6	brown	30	84.00
330623	5.0	6.2	0.6	violet	10	32.00
330624	5.0	6.2	0.6	violet	30	84.00
330625	5.0	6.2	0.6	orange	10	32.00
330626	5.0	6.2	0.6	orange	30	84.00
330627	5.0	6.2	0.6	yellow/green	10	32.00
330628	5.0	6.2	0.6	yellow/green	30	84.00
330629	5.0	6.2	0.6	yellow/black	10	32.00
330630	5.0	6.2	0.6	yellow/black	30	84.00
330631	6.0	7.2	0.6	colourless	10	38.00
330632	6.0	7.2	0.6	colourless	30	96.00
330633	6.0	7.2	0.6	white	10	38.00
330634	6.0	7.2	0.6	white	30	96.00
330635	6.0	7.2	0.6	black	10	38.00
330636	6.0	7.2	0.6	black	30	96.00
330637	6.0	7.2	0.6	red	10	38.00
330638	6.0	7.2	0.6	red	30	96.00
330639	6.0	7.2	0.6	blue	10	38.00
330640	6.0	7.2	0.6	blue	30	96.00
330641	6.0	7.2	0.6	yellow	10	38.00
330642	6.0	7.2	0.6	yellow	30	96.00
330643	6.0	7.2	0.6	green	10	38.00
330644	6.0	7.2	0.6	green	30	96.00
330645	6.0	7.2	0.6	brown	10	38.00
330646	6.0	7.2	0.6	brown	30	96.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Electrical Insulation Tubing**  
**Type: RCT® High-Tech DRT**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330647	6.0	7.2	0.6	violet	10	38.00
330648	6.0	7.2	0.6	violet	30	96.00
330649	6.0	7.2	0.6	orange	10	38.00
330650	6.0	7.2	0.6	orange	30	96.00
330651	6.0	7.2	0.6	yellow/green	10	38.00
330652	6.0	7.2	0.6	yellow/green	30	96.00
330653	6.0	7.2	0.6	yellow/black	10	38.00
330654	6.0	7.2	0.6	yellow/black	30	96.00
330655	8.0	9.4	0.7	colourless	10	44.00



33 0647



33 0647

330656	8.0	9.4	0.7	colourless	30	112.00
330657	8.0	9.4	0.7	white	10	44.00
330658	8.0	9.4	0.7	white	30	112.00
330659	8.0	9.4	0.7	black	10	44.00
330660	8.0	9.4	0.7	black	30	112.00
330661	8.0	9.4	0.7	red	10	44.00
330662	8.0	9.4	0.7	red	30	112.00
330663	8.0	9.4	0.7	blue	10	44.00
330664	8.0	9.4	0.7	blue	30	112.00
330665	8.0	9.4	0.7	yellow	10	44.00
330666	8.0	9.4	0.7	yellow	30	112.00
330667	8.0	9.4	0.7	green	10	44.00
330668	8.0	9.4	0.7	green	30	112.00
330669	8.0	9.4	0.7	brown	10	44.00
330670	8.0	9.4	0.7	brown	30	112.00
330671	8.0	9.4	0.7	violet	10	44.00
330672	8.0	9.4	0.7	violet	30	112.00
330673	8.0	9.4	0.7	orange	10	44.00
330674	8.0	9.4	0.7	orange	30	112.00
330675	8.0	9.4	0.7	yellow/green	10	44.00
330676	8.0	9.4	0.7	yellow/green	30	112.00
330677	8.0	9.4	0.7	yellow/black	10	44.00
330678	8.0	9.4	0.7	yellow/black	30	112.00
330679	10.0	11.4	0.7	colourless	10	50.00
330680	10.0	11.4	0.7	colourless	30	120.00
330681	10.0	11.4	0.7	white	10	50.00
330682	10.0	11.4	0.7	white	30	120.00
330683	10.0	11.4	0.7	black	10	50.00
330684	10.0	11.4	0.7	black	30	120.00
330685	10.0	11.4	0.7	red	10	50.00
330686	10.0	11.4	0.7	red	30	120.00
330687	10.0	11.4	0.7	blue	10	50.00
330688	10.0	11.4	0.7	blue	30	120.00
330689	10.0	11.4	0.7	yellow	10	50.00
330690	10.0	11.4	0.7	yellow	30	120.00
330691	10.0	11.4	0.7	green	10	50.00
330692	10.0	11.4	0.7	green	30	120.00

**THOMAFLUID® PVC Electrical Insulation Tubing**  
**Type: RCT® High-Tech DRT**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330693	10.0	11.4	0.7	brown	10	50.00
330694	10.0	11.4	0.7	brown	30	120.00
330695	10.0	11.4	0.7	violet	10	50.00
330696	10.0	11.4	0.7	violet	30	120.00
330697	10.0	11.4	0.7	orange	10	50.00
330698	10.0	11.4	0.7	orange	30	120.00
330699	10.0	11.4	0.7	yellow/green	10	50.00
330700	10.0	11.4	0.7	yellow/green	30	120.00
330701	10.0	11.4	0.7	yellow/black	10	50.00
330702	10.0	11.4	0.7	yellow/black	30	120.00
330703	12.0	13.6	0.8	colourless	10	56.00
330704	12.0	13.6	0.8	colourless	30	132.00
330705	12.0	13.6	0.8	white	10	56.00
330706	12.0	13.6	0.8	white	30	132.00
330707	12.0	13.6	0.8	black	10	56.00
330708	12.0	13.6	0.8	black	30	132.00
330709	12.0	13.6	0.8	red	10	56.00
330710	12.0	13.6	0.8	red	30	132.00
330711	12.0	13.6	0.8	blue	10	56.00
330712	12.0	13.6	0.8	blue	30	132.00
330713	12.0	13.6	0.8	yellow	10	56.00
330714	12.0	13.6	0.8	yellow	30	132.00
330715	12.0	13.6	0.8	green	10	56.00
330716	12.0	13.6	0.8	green	30	132.00
330717	12.0	13.6	0.8	brown	10	56.00
330718	12.0	13.6	0.8	brown	30	132.00
330719	12.0	13.6	0.8	violet	10	56.00
330720	12.0	13.6	0.8	violet	30	132.00
330721	12.0	13.6	0.8	orange	10	56.00
330722	12.0	13.6	0.8	orange	30	132.00
330723	12.0	13.6	0.8	yellow/green	10	56.00
330724	12.0	13.6	0.8	yellow/green	30	132.00
330725	12.0	13.6	0.8	yellow/black	10	56.00
330726	12.0	13.6	0.8	yellow/black	30	132.00
330727	14.0	16.0	1.0	colourless	10	66.00
330728	14.0	16.0	1.0	colourless	30	150.00
330729	14.0	16.0	1.0	white	10	66.00
330730	14.0	16.0	1.0	white	30	150.00
330731	14.0	16.0	1.0	black	10	66.00
330732	14.0	16.0	1.0	black	30	150.00
330733	14.0	16.0	1.0	red	10	66.00
330734	14.0	16.0	1.0	red	30	150.00
330735	14.0	16.0	1.0	blue	10	66.00
330736	14.0	16.0	1.0	blue	30	150.00
330737	14.0	16.0	1.0	yellow	10	66.00
330738	14.0	16.0	1.0	yellow	30	150.00
330739	14.0	16.0	1.0	green	10	66.00
330740	14.0	16.0	1.0	green	30	150.00
330741	14.0	16.0	1.0	brown	10	66.00
330742	14.0	16.0	1.0	brown	30	150.00
330743	14.0	16.0	1.0	violet	10	66.00
330744	14.0	16.0	1.0	violet	30	150.00
330745	14.0	16.0	1.0	orange	10	66.00
330746	14.0	16.0	1.0	orange	30	150.00
330747	14.0	16.0	1.0	yellow/green	10	66.00
330748	14.0	16.0	1.0	yellow/green	30	150.00
330749	14.0	16.0	1.0	yellow/black	10	66.00
330750	14.0	16.0	1.0	yellow/black	30	150.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Electrical Insulation Tubing**  
**Type: RCT® High-Tech DRT**

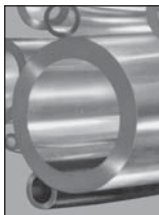
Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
330751	16.0	18.0	1.0	colourless	10	70.00
330752	16.0	18.0	1.0	colourless	30	154.00
330753	16.0	18.0	1.0	white	10	70.00
330754	16.0	18.0	1.0	white	30	154.00
330755	16.0	18.0	1.0	black	10	70.00
330756	16.0	18.0	1.0	black	30	154.00
330757	16.0	18.0	1.0	red	10	70.00
330758	16.0	18.0	1.0	red	30	154.00
330759	16.0	18.0	1.0	blue	10	70.00
330760	16.0	18.0	1.0	blue	30	154.00
330761	16.0	18.0	1.0	yellow	10	70.00
330762	16.0	18.0	1.0	yellow	30	154.00
330763	16.0	18.0	1.0	green	10	70.00
330764	16.0	18.0	1.0	green	30	154.00
330765	16.0	18.0	1.0	brown	10	70.00
330766	16.0	18.0	1.0	brown	30	154.00
330767	16.0	18.0	1.0	violet	10	70.00
330768	16.0	18.0	1.0	violet	30	154.00
330769	16.0	18.0	1.0	orange	10	70.00
330770	16.0	18.0	1.0	orange	30	154.00
330771	16.0	18.0	1.0	yellow/green	10	70.00
330772	16.0	18.0	1.0	yellow/green	30	154.00
330773	16.0	18.0	1.0	yellow/black	10	70.00
330774	16.0	18.0	1.0	yellow/black	30	154.00
330775	20.0	22.4	1.2	colourless	10	90.00
330776	20.0	22.4	1.2	colourless	30	194.00
330777	20.0	22.4	1.2	white	10	90.00
330778	20.0	22.4	1.2	white	30	194.00
330779	20.0	22.4	1.2	black	10	90.00
330780	20.0	22.4	1.2	black	30	194.00
330781	20.0	22.4	1.2	red	10	90.00
330782	20.0	22.4	1.2	red	30	194.00
330783	20.0	22.4	1.2	blue	10	90.00
330784	20.0	22.4	1.2	blue	30	194.00
330785	20.0	22.4	1.2	yellow	10	90.00
330786	20.0	22.4	1.2	yellow	30	194.00
330787	20.0	22.4	1.2	green	10	90.00
330788	20.0	22.4	1.2	green	30	194.00
330789	20.0	22.4	1.2	brown	10	90.00
330790	20.0	22.4	1.2	brown	30	194.00
330791	20.0	22.4	1.2	violet	10	90.00
330792	20.0	22.4	1.2	violet	30	194.00
330793	20.0	22.4	1.2	orange	10	90.00
330794	20.0	22.4	1.2	orange	30	194.00
330795	20.0	22.4	1.2	yellow/green	10	90.00
330796	20.0	22.4	1.2	yellow/green	30	194.00
330797	20.0	22.4	1.2	yellow/black	10	90.00
330798	20.0	22.4	1.2	yellow/black	30	194.00

- Good chemical resistance
- Good mechanical stability
- Good resistance to aging and weather
- Very good dielectric properties
- Hardly inflammable
- Antiadhesive surface
- Flexible, resistant material

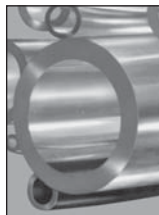
**Technical specification:**

- Material: PVC (polyvinyl chloride), smooth crystal-clear
- Colour: 80° ± 5° (DIN 53505)
- Shore hardness A: 80° ± 5° (DIN 53505)
- Temperature range: -20 °C to +60 °C, for a short time +70 °C
- Max. operating pressure: 2.5 to 5 bar depending on wall thickness and temperature
- Tolerances: DIN 16940

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
26871	18	23	5.0	5	77.00
26872	18	23	5.0	10	139.00
26877	19	26	5.0	5	95.00
26878	19	26	5.0	10	169.00
26889	22	28	4.5	5	95.00
26890	22	28	4.5	10	167.00
26895	25	31	4.0	5	100.00
26896	25	31	4.0	10	177.00
26897	25	33	5.0	5	136.00
26898	25	33	5.0	10	236.00
26901	25	35	5.0	5	167.00
26902	25	35	5.0	10	284.00
26909	30	38	4.0	5	151.00
26910	30	38	4.0	10	264.00
26925	35	41	3.0	5	141.00
26926	35	41	3.0	10	238.00
26929	35	45	5.0	5	210.00
26930	35	45	5.0	10	356.00
26937	40	50	4.0	5	241.00
26938	40	50	4.0	10	381.00



26 871



26 871

26941	45	55	5.0	5	266.00
26942	45	55	5.0	10	371.00
26945	50	60	3.0	5	274.00
26946	50	60	3.0	10	417.00
26951	60	70	2.5	5	325.00
26952	60	70	2.5	10	471.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Industrial Chemical Tubing**  
**Type: THOMAPLAST® CHAP 5175**
**Product specification:**

- Conveying tubing

Shopping per mouse click  
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## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® PVC Bubble Chemical Tubing Type: THOMAPLAST® SHD 90

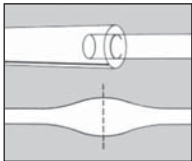
#### Product specification:

- A crystal-clear special tubing made of polyvinyl chloride (PVC), according to formula SHD 90.
- The tubing is produced by addition of carefully selected additives, it is transparent and supple. The wall thickness is constant, the inner surface is absolutely smooth. The tubing is non-porous and non-wettable, and it is of high tearing strength.
- Every 90 cm the tubing dilates and tapers off again, thus forming bubbles. Every desired length can be realized either with tapered or with funnel-shaped starting point. By cutting at the appropriate place, junctions for female or male connectors of different diameters can be obtained. The tubing ends are only put together. The resulting connection is absolutely tight.

#### Technical specification:

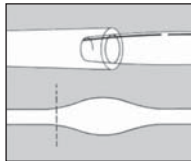
- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 60°
- Temperature range: -20 °C to +60 °C
- Density: 1.19 g/cm<sup>3</sup>
- Autoclavable: yes
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>

Cat. No.	I. D. mm	O. D. mm	I. D. of bubble mm	Length m	Price EURO
40567	3.1	6.3	12.7	5	88.00
40568	3.1	6.3	12.7	10	133.00
40569	3.1	6.3	12.7	15	156.00
40570	5.0	5.8	12.7	5	85.00
40571	5.0	5.8	12.7	15	105.00
40572	5.0	5.8	12.7	30	159.00
40573	6.3	9.5	12.7	5	123.00
40574	6.3	9.5	12.7	10	154.00
40575	6.3	9.5	12.7	15	177.00



Pour la fabrication d'une liaison entonnoir, couper ici.

40 567



Pour la fabrication d'une liaison conique, couper ici.

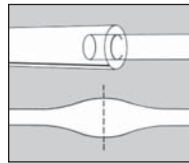
40 567

40576	7.0	8.6	12.7	5	90.00
40577	7.0	8.6	12.7	15	121.00
40578	7.0	8.6	12.7	30	185.00
40579	9.5	12.7	19.0	5	169.00
40580	9.5	12.7	19.0	10	215.00
40581	9.5	12.7	19.0	15	266.00
40582	12.7	15.8	19.0	5	195.00
40583	12.7	15.8	19.0	10	246.00
40584	12.7	15.8	19.0	15	302.00

### THOMAFLUID® PVC High-Tech Antista Bubble Chemical Tubing Type: THOMAPLAST® SHDA 90

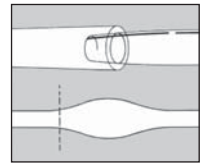
#### Product specification:

- A crystal-clear special tubing made of polyvinyl chloride (PVC) according to formula SHDA 90, with incorporated antistatic carbon conductivity strand (PVC-graphite compound) which guarantees the maintenance of conductivity, the leakage resistance (related to the inner surface of the tubing) being < 10<sup>8</sup> Ohm.
- The tubing is produced by addition of carefully selected additives, it is transparent and supple. The wall thickness is constant, the inner surface is absolutely smooth. The tubing is non-porous and non-wettable, and it is of high tearing strength.



Pour la fabrication d'une liaison entonnoir, couper ici.

40 598



Pour la fabrication d'une liaison conique, couper ici.

40 598

#### Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear
- Shore hardness A: 77°
- Temperature range: -20 °C to +60 °C
- Leakage resistance: < 10<sup>8</sup> Ohm related to the inner surface
- Plasticizers: approx. 40 % DOP
- Density: 1.19 g/cm<sup>3</sup>
- Autoclavable: yes
- Resistance to aging: excellent, not affected by O<sub>2</sub> and O<sub>3</sub>

Cat. No.	I. D. mm	O. D. mm	I. D. of bubble mm	Length m	Price EURO
40598	5.0	7.5	12.7	5	75.00
40599	5.0	7.5	12.7	15	167.00
40600	5.0	7.5	12.7	30	238.00
40601	7.0	8.6	12.7	5	90.00
40602	7.0	8.6	12.7	15	202.00
40603	7.0	8.6	12.7	30	274.00

### THOMAFLUID® PVC Chemical Tubing for Gasoline and Oil

#### Product specification:

- Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, inside and outside smooth, hardly inflammable, no change of material by light or atmospheric oxygen.

#### Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear, at higher wall thickness a little yellowish

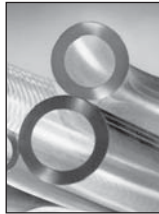
## TUBING TECHNOLOGY-ELASTOMERS

- Shore hardness A: 80° ± 3° (DIN 53505)
- Temperature range: -10 °C to +60 °C
- Tearing strength: 18 N/mm<sup>2</sup> 40 598 40 598
- Tolerances: DIN 16940

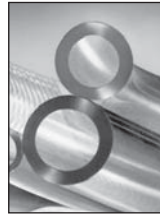
Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
27239	3.0	7.0	5	27.00
27240	3.0	7.0	15	62.00
27241	3.0	7.0	30	92.00
27242	4.0	8.0	5	39.00
27243	4.0	8.0	15	82.00
27244	4.0	8.0	30	116.00
27245	5.0	9.0	5	37.00
27246	5.0	9.0	15	85.00
27247	5.0	9.0	30	131.00
27248	6.0	10.0	5	43.00



27 239



27 239



27 278



27 278

- Colour: crystal-clear, transparent
- Shore hardness A: 75° ± 3° (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Tensile strength: 190 kp/cm<sup>2</sup>
- Elongation at break: 390 %
- Density: 1.25 g/cm<sup>3</sup>
- Sterilization: sterilizable, at least 30 times, at +121 °C at normal pressure in hot air; the sterilization periods should not exceed 30 min. each
- Regulations: BfR XXIX

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
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27249	6.0	10.0	15	103.00
27250	6.0	10.0	30	146.00
27251	8.0	12.0	5	46.00
27252	8.0	12.0	15	118.00
27253	8.0	12.0	30	177.00
27254	10.0	14.0	5	54.00
27255	10.0	14.0	15	131.00
27256	10.0	14.0	30	195.00
27257	12.0	16.0	5	59.00
27258	12.0	16.0	15	146.00
27259	12.0	16.0	30	218.00
27260	13.0	19.0	5	91.00
27261	13.0	19.0	15	231.00
27262	13.0	19.0	30	261.00
27263	16.0	21.0	5	91.00
27264	16.0	21.0	15	231.00
27265	16.0	21.0	30	261.00
27266	19.0	27.0	5	186.00
27267	19.0	27.0	15	405.00
27268	19.0	27.0	30	505.00

27278	8.0	12.0	5	30.00
27279	8.0	12.0	15	78.00
27281	13.0	19.0	5	64.00
27282	13.0	19.0	15	153.00
27284	13.0	21.0	5	88.00
27285	13.0	21.0	15	211.00
27287	19.0	26.0	5	100.00
27288	19.0	26.0	15	239.00
27290	25.0	33.0	5	148.00
27291	25.0	33.0	15	354.00
27294	32.0	40.0	15	446.00
27297	32.0	42.0	15	520.00
27299	38.0	48.0	5	279.00
27300	38.0	48.0	15	608.00
27303	40.0	48.0	15	608.00
27306	40.0	50.0	15	717.00
27309	50.0	60.0	15	825.00

## THOMAFLUID® PVC Food Tubing

## Application areas:

- Usable for conveyance of beverages such as wine, fruit juices, lemonade, mineral water, unfermented sweetened fruit juice, and alcoholic beverages up to 13 vol.-% alcohol, but not usable for milk and beer. The temperature of the conveyed beverages should not exceed +40 °C.

## Product specification:

- Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, inside and outside smooth, hardly inflammable, sterilizable, no change of material by light or atmospheric oxygen, physiologically safe.

## Technical specification:

- Material: PVC (polyvinyl chloride)

### THOMAFLUID® PVC Corrugated Tubing for Milk and Food Type: THOMAPLAST® CHAP 5117

## Product specification:

- Suction and pressure tubing
- Recommended for fat containing food

## Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: transparent
- Liner and jacket: PVC soft, corrugated
- Temperature range: -10 °C to +60 °C
- Insert: PVC rigid spiral, white
- Vacuum strength (at 20 °C): 70 %

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Corrugated Tubing  
for Milk and Food  
Type: THOMAPLAST® CHAP 5117**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12409	30	36	5	150	5	95.00
12410	30	36	5	150	10	202.00
12411	32	38	5	155	5	100.00
12412	32	38	5	155	10	162.00
12413	35	41	5	170	5	110.00
12414	35	41	5	170	10	185.00
12415	40	47	5	195	5	121.00
12416	40	47	5	195	10	197.00
12417	45	53	5	215	5	144.00
12418	45	53	5	215	10	233.00
12419	50	58	5	235	5	167.00
12420	50	58	5	235	10	274.00

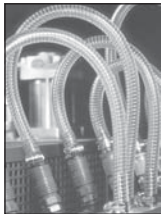
<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Corrugated Tubing  
for Wine and Food  
Type: THOMAPLAST® CHAP 5118**
**Product specification:**

- Suction and pressure tubing
- Recommended for fat free food

**Technical specification:**

- Material: PVC (polyvinyl chloride)
- Colour: transparent
- Liner and jacket: PVC (polyvinyl chloride), corrugated
- Temperature range: -10 °C to +60 °C
- Insert: PVC rigid spiral, red
- Vacuum strength (at 20 °C): 90 %

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
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12 409



12 389

12389	30	38	9	190	5	100.00
12390	30	38	9	190	10	166.00
12391	35	43	9	230	5	121.00
12392	35	43	9	230	10	195.00
12393	40	49	9	270	5	136.00
12394	40	49	9	270	10	220.00
12395	45	54	9	310	5	164.00
12396	45	54	9	310	10	271.00
12397	50	60	8	350	5	182.00
12398	50	60	8	350	10	300.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Special Pressure  
Compound  
Type: RCT® High-Tech DRT**
**Application areas:**

- Hydraulic and pneumatic line
- Cooling line for welding systems
- Mechanical engineering and process engineering

**Product specification:**

- Highest pressure resistance
- High flexibility
- Extremely thin-walled tubing



33 0142



33 0142

- Very low weight
- Extreme resistance to various fats and oils, diluted acids and alkalis

**Technical specification:**

- Material: PVC (polyvinyl chloride)
- Colour: blue (jacket paste-coated), black (liner)
- Shore hardness A: 76° (DIN 53505)
- Temperature range: -20 °C to +90 °C
- Insert: fabric insert (synthetic filament-reinforced)
- Burst pressure: 3.5-fold safety factor
- Breakdown strength: 22 kV/mm

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Max. operating pressure <sup>2</sup> bar	Bending radius mm	Length m	Price EURO
330142	3.0	5.2	40	28	45	5	62.00
330143	3.0	5.2	40	28	45	15	144.00
330144	4.0	6.2	40	28	50	5	80.00
330145	4.0	6.2	40	28	50	15	176.00
330146	5.0	7.2	40	28	55	5	82.00
330147	5.0	7.2	40	28	55	15	180.00
330148	6.0	8.2	40	28	60	5	84.00
330149	6.0	8.2	40	28	60	15	184.00
330150	8.0	10.2	35	24	65	5	96.00
330151	8.0	10.2	35	24	65	15	212.00
330152	9.0	11.6	30	22	70	5	114.00
330153	9.0	11.6	30	22	70	15	252.00
330154	10.0	12.5	28	20	80	5	118.00
330155	10.0	12.5	28	20	80	15	258.00
330156	13.0	17.6	28	20	100	5	188.00
330157	13.0	17.6	28	20	100	15	416.00

<sup>1</sup> at +20 °C; <sup>2</sup> at +60 °C

## TUBING TECHNOLOGY-ELASTOMERS

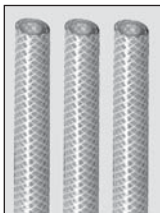
## THOMAFLUID® PVC Chemical Pressure Tubing

## Product specification:

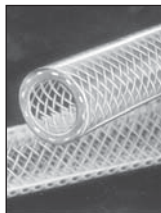
- Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, inside and outside smooth, hardly inflammable, to a high degree resistant to hot water and oil (e.g. heating oil) at flow, sterilizable, no change of material by light or atmospheric oxygen.

## Technical specification:

- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear, transparent with braided fabric insert
- Shore hardness A: 75° ± 3° (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)



26 965



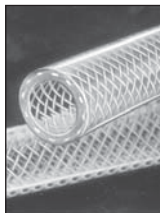
27 329 (voir page 68)

- Tensile strength: 190 kp/cm<sup>2</sup>
- Elongation at break: 390 %
- Density: 1.25 g/cm<sup>3</sup>
- Tolerances I. D.: 3-6 mm ± 0.4 mm  
6-10 mm ± 0.5 mm  
10-19 mm ± 0.8 mm
- Reduction factor: at +60 °C approx. 46%

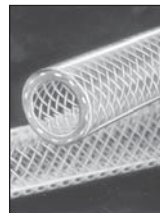
Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
26965	4.0	10.0	24.0	5	34.00
26966	4.0	10.0	24.0	15	80.00
26967	5.0	11.0	23.0	5	37.00
26968	5.0	11.0	23.0	15	87.00
26969	6.0	12.0	23.0	5	37.00
26970	6.0	12.0	23.0	15	88.00
26971	8.0	14.0	22.0	5	44.00
26972	8.0	14.0	22.0	15	106.00
26973	9.0	15.0	19.0	5	46.00
26974	9.0	15.0	19.0	15	111.00
26975	10.0	16.0	17.0	5	48.00
26976	10.0	16.0	17.0	15	116.00
26977	12.0	21.0	15.0	5	80.00
26978	12.0	21.0	15.0	15	191.00
26979	12.5	18.5	14.0	5	51.00
26980	12.5	18.5	14.0	15	120.00
26981	13.0	20.0	13.0	5	63.00
26982	13.0	20.0	13.0	15	150.00
26983	13.0	22.0	13.0	5	83.00
26984	13.0	22.0	13.0	15	199.00
26985	16.0	23.0	13.0	5	90.00
26986	16.0	23.0	13.0	15	204.00
26987	16.0	24.0	14.0	5	98.00
26988	16.0	24.0	14.0	15	208.00
26989	16.0	26.0	14.0	5	135.00
26990	16.0	26.0	14.0	15	282.00
26991	19.0	27.0	12.0	5	108.00

## THOMAFLUID® PVC Chemical Pressure Tubing

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
26992	19.0	27.0	12.0	15	230.00
26993	19.0	29.0	12.0	5	144.00
26994	19.0	29.0	12.0	15	308.00

<sup>1</sup> at +20 °CTHOMAFLUID® PVC Colour Pressure Tubing  
Type: THOMAPLAST® CHAP 5141

33 9638



33 9638

## Product specification:

- Light, coloured transparent universal tubing. Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, hardly inflammable, to a high degree resistant to hot water and oil (e.g. heating oil) at flow, sterilizable, no change of material by light or atmospheric oxygen.

## Technical specification:

- Material: PVC soft (inside and outside), smooth
- Colour: transparent blue, green or yellow
- Temperature range: -15 °C to +60 °C
- Inserts: rayon braiding
- Max. operating pressure: 20 bar at +20 °C

Cat. No.	I. D. mm	O. D. mm	Colour	Piece/ package	Price EURO
339638	4	10	blue	5	46.00
339639	4	10	blue	15	125.00
339640	4	10	green	5	46.00
339641	4	10	green	15	125.00
339642	4	10	yellow	5	46.00
339643	4	10	yellow	15	125.00

## THOMAFLUID® PVC Food Pressure Tubing

## Application areas:

- Usable for conveyance of beverages such as wine, fruit juices, lemonade, mineral water, unfermented sweetened fruit juice, and alcoholic beverages up to 13 vol.-% alcohol, but not usable for milk and beer. The temperature of the conveyed beverages should not exceed +60 °C.

## Product specification:

## TUBING TECHNOLOGY-ELASTOMERS

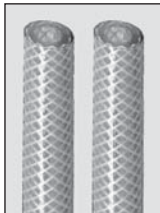
- Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, inside and outside smooth, hardly inflammable, sterilizable, no change of material by light or atmospheric oxygen, physiologically safe.

### Technical specification:

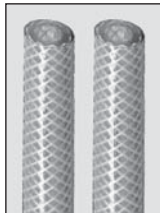
- Material: PVC (polyvinyl chloride)
- Colour: crystal-clear, transparent, with braided fabric insert
- Shore hardness A:  $75^\circ \pm 3^\circ$  (DIN 53505)
- Tensile strength: 190 kp/cm<sup>2</sup>
- Elongation at break: 390 %
- Density: 1.25 g/cm<sup>3</sup>
- Sterilization: sterilizable at least 30 times, at +120 °C at normal pressure in hot air; the sterilization periods should not exceed 30 min. each
- Behaviour under pressure: tubing with increased resistance to pressure for technical use
- Tolerances ID: 8-10 mm  $\pm$  0.5 mm  
10-18 mm  $\pm$  0.8 mm  
18-24 mm  $\pm$  1.0 mm  
24-30 mm  $\pm$  1.5 mm  
30-50 mm  $\pm$  2.0 mm
- Regulations: BfR XXIX

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
27329	8.0	14.0	23.0	5	69.00
27330	8.0	14.0	23.0	15	177.00
27332	10.0	16.0	21.0	5	82.00
27333	10.0	16.0	21.0	15	213.00
27335	13.0	20.0	18.0	5	121.00
27336	13.0	20.0	18.0	15	310.00
27341	19.0	27.0	12.0	5	179.00
27342	19.0	27.0	12.0	15	458.00
27344	25.0	34.0	8.0	5	261.00
27345	25.0	34.0	8.0	15	663.00
27347	32.0	42.0	8.0	5	364.00
27348	32.0	42.0	8.0	15	939.00

<sup>1</sup> at +20 °C



12 628



12 628

## THOMAFLUID® PVC High Pressure Tubing Type: THOMAPLAST® CHAP 5143

### Product specification:

- Light high pressure tubing for industrial processes, also usable as spray hose for trees
- Very good mechanical stability
- Highly resistant to aging and weather
- Very good dielectric properties

- Antidhesive surface

### Technical specification:

- Material: PVC (polyvinyl chloride) soft
- Colour: inside black, outside blue
- Temperature range: -15 °C to +60 °C
- Insert: polyester braiding
- Design: inside and outside smooth

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
12628	8	15	80	30	5	90.00
12629	8	15	80	30	10	162.00
12630	10	18	80	40	5	100.00
12631	10	18	80	40	10	182.00
12632	13	21	80	60	3	87.00
12633	13	21	80	60	5	136.00

<sup>1</sup> at +20 °C

## THOMAFLUID® PVC Corrugated Tubing Type: THOMAPLAST® FRW 4010

### Application areas:

- Protection of transmission lines during stationary installation and building in the areas of:
  - engine construction
  - chemical apparatus construction
  - electronic engineering
- as well as for pressureless conveyance of liquid and gaseous media.

### Product specification:

- Lightweight, flexible corrugated tubing made of flame-resistant polyvinyl chloride (PVC-U), grey-yellow or white coloured. Flexible, mechanically loadable, good electrical properties, good chemical resistance to alkalis, acids, inorganic salt solutions, oxidants, amines, mineral oils and fats. Not resistant to aromatic and halogenated solvents. Lab-sized dimensions and short lengths of 5, 10, and 15 m.

### Technical specification:



43 367 (voir page 69)



43 367 (voir page 69)

- Material: PVC (polyvinyl chloride) soft
- Temperature range: 0 °C to +60 °C (DIN 53446)
- Density: 1.38 g/cm<sup>3</sup> (DIN 53479)
- Tearing strength: 50 N/mm<sup>2</sup> (DIN 53455)
- Elongation at break: 20-70 % (DIN 53455)
- Elastic modulus: 1800-3500 N/mm<sup>2</sup> (DIN 53457)
- Impact toughness: without break (DIN 53453)
- Notch impact strength: 2-15 (DIN 53453)
- Linear expansion coefficient: 0.6-0.9 x 10<sup>-4</sup> x K<sup>-1</sup> (DIN 52523)
- Thermal conductivity: 0.15 W/mK (DIN 52612)
- Tracking resistance: KA3b (DIN 53480)
- El. breakdown strength: 45 kV/mm (DIN 53481)

## TUBING TECHNOLOGY-ELASTOMERS

THOMAFLUID® PVC Corrugated Tubing  
Type: THOMAPLAST® FRW 4010

Cat. No.	NW mm	O. D. mm	I. D. mm	Bending radius mm	Weight/ metre g	Colour	Length m	Price EURO
43367	10	12.9	10	15	26	white	5	28.00
43368	10	12.9	10	15	26	white	10	48.00
43369	10	12.9	10	15	26	white	15	68.00
43370	12	15.8	12.0	20	42	white	5	32.00
43371	12	15.8	12.0	20	42	white	10	58.00
43372	12	15.8	12.0	20	42	white	15	78.00
43376	14	18.6	14.4	25	52	white	5	36.00
43377	14	18.6	14.4	25	52	white	10	63.00
43378	14	18.6	14.4	25	52	white	15	86.00
43379	16	19.0	15.2	25	57	white	5	44.00
43380	16	19.0	15.2	25	57	white	10	77.00
43381	16	19.0	15.2	25	57	white	15	105.00
43382	17	21.2	16.7	30	59	white	5	45.00
43383	17	21.2	16.7	30	59	white	10	80.00
43384	17	21.2	16.7	30	59	white	15	110.00

THOMAFLUID® PVC Spiral Chemical  
Tubing

## Product specification:

- Flexible and resistant material, resistant to aging and abrasion, rugged and pressure-proof, inside and outside smooth, hardly inflammable, to a high degree resistant to hot water and oil (e.g. heating oil) at flow, sterilizable, no change of material by light or atmospheric oxygen.

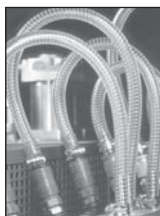
## Technical specification:

- Material: PVC (polyvinyl chloride) soft
- Colour: crystal-clear
- Shore hardness A:  $75^\circ \pm 3^\circ$  (DIN 53505)
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density:  $1.25 \text{ g/cm}^3$
- Tensile strength:  $190 \text{ kp/cm}^2$
- Elongation at break: 390 %

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
27356	6.0	10.0	20	3	5	69.00
27357	6.0	10.0	20	3	10	118.00
27359	8.0	12.6	30	3	5	80.00
27360	8.0	12.6	30	3	10	133.00
27362	10.0	15.4	40	3	5	105.00
27363	10.0	15.4	40	3	10	167.00
27365	13.0	18.8	50	2	5	110.00
27366	13.0	18.8	50	2	10	177.00
27368	16.0	23.0	70	2	5	121.00
27369	16.0	23.0	70	2	15	248.00
27370	19.0	26.0	80	2	5	197.00
27371	19.0	26.0	80	2	15	371.00
27372	25.0	34.0	110	1	5	197.00
27373	25.0	34.0	110	1	15	371.00

THOMAFLUID® PVC Spiral Chemical  
Tubing

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
27374	32.0	41.0	130	1	5	236.00
27375	32.0	41.0	130	1	10	422.00
27376	38.0	48.0	200	1	5	312.00
27377	38.0	48.0	200	1	10	468.00
27378	45.0	57.0	200	1	5	348.00
27379	45.0	57.0	200	1	10	504.00

<sup>1</sup> at +20 °C

27 356



10 024

THOMAFLUID® PVC Spiral Industrial  
Tubing  
Type: THOMAPLAST® CHAP 5148

## Product specification:

- Suction and pressure tubing
- Very robust design with steel wire spiral

## Technical specification:

- Material: PVC, soft, slightly corrugated
- Colour: transparent
- Temperature range:  $-10^\circ \text{C}$  to  $+60^\circ \text{C}$
- Insert: with embedded steel wire spiral
- Vacuum strength (at  $20^\circ \text{C}$ ): 90 %

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
10024	6.0	12	7	20	3	41.00
10025	6.0	12	7	20	9	98.00
10026	8.0	14	7	25	3	46.00
10027	8.0	14	7	25	9	110.00
10028	10	16	7	30	3	49.00
10029	10	16	7	30	9	113.00
10030	12	18	6	35	3	52.00
10031	12	18	6	35	9	118.00
10032	16	23	6	55	3	64.00
10033	16	23	6	55	9	151.00
10034	20	27	5	70	3	85.00
10035	20	27	5	70	9	200.00
10036	25	33	5	80	3	116.00
10037	25	33	5	80	9	274.00
10038	30	39	4	100	2	98.00
10039	30	39	4	100	6	231.00
10040	35	44	4	130	2	118.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Spiral Industrial Tubing**  
**Type: THOMAPLAST® CHAP 5148**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
10041	35	44	4	130	6	282.00
10042	40	53	4	150	1	77.00
10043	40	53	4	150	3	185.00
10044	50	64	4	250	1	100.00
10045	50	64	4	250	3	208.00
10046	60	74	3	290	1	105.00
10047	60	74	3	290	3	223.00
10048	64	78	3	300	1	110.00
10049	64	78	3	300	3	233.00
10050	70	86	3	350	1	116.00
10051	70	86	3	350	3	238.00
10052	76	92	3	380	1	121.00
10053	76	92	3	380	3	254.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Spiral Industrial Suction and Pressure Tubing**  
**Type: THOMAPLAST® CHAP FFX 5148**
**Product specification:**

- Suction and pressure tubing
- Very robust design with steel wire spiral
- Best mechanical stability
- Good resistance to aging and weather
- Hardly inflammable

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: transparent
- Temperature range: -10 °C to +60 °C
- Insert: with embedded steel wire spiral
- Vacuum strength (at 20 °C): ID 6 to 70 mm 99 %;  
ID 76 to 150 mm 90 %
- Excess pressure: max. 9.5 m WC (water column)

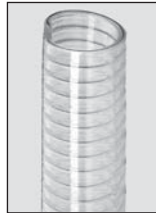
Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12584	80	96	3	400	1	133.00
12585	80	96	3	400	3	341.00
12586	90	106	2	430	1	141.00
12587	90	106	2	430	3	356.00
12588	102	118	2	500	1	156.00
12589	102	118	2	500	3	389.00
12590	110	128	2	550	1	174.00
12591	110	128	2	550	3	450.00
12592	127	145	1.5	650	1	185.00
12593	127	145	1.5	650	3	491.00
12594	150	170	1.5	750	1	241.00
12595	150	170	1.5	750	3	650.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PVC Spiral Ventilation Tubing**  
**Type: THOMAPLAST® CHAP 52-97**
**Product specification:**

- Very light design
- Tubing with integrated PVC spiral, ideally suitable for ventilation
- Very good mechanical stability
- Resistance to aging and weather
- Hardly inflammable
- Antiadhesive surface

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: blue
- Temperature range: -10 °C to +50 °C



12 584



12 927

- Insert: a rigid PVC spiral
- Design: inside smooth, outside corrugated

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Length m	Price EURO
12927	20	24.4	40	5	59.00
12928	20	24.4	40	10	110.00
12929	25	29.4	40	5	64.00
12930	25	29.4	40	10	118.00
12931	30	34.8	40	5	77.00
12932	30	34.8	40	10	141.00
12933	35	39.8	40	5	82.00
12934	35	39.8	40	10	146.00
12935	40	45.2	60	5	92.00
12936	40	45.2	60	10	169.00
12937	45	50.2	80	5	100.00
12938	45	50.2	80	10	190.00
12939	50	56.0	90	5	110.00
12940	50	56.0	90	10	208.00
12941	63	69.6	100	5	159.00
12942	63	69.6	100	10	294.00
12943	70	76.6	110	3	110.00
12944	70	76.6	110	5	169.00
12945	76	82.8	110	3	116.00
12946	76	82.8	110	5	179.00
12947	80	87.2	130	3	123.00
12948	80	87.2	130	5	192.00
12949	90	98.4	150	3	141.00
12950	90	98.4	150	5	218.00
12951	102	110.6	160	3	156.00
12952	102	110.6	160	5	243.00
12953	110	119.0	190	1	64.00
12954	110	119.0	190	3	166.00
12955	120	129.6	200	1	69.00
12956	120	129.6	200	3	187.00
12957	127	137.0	230	1	77.00
12958	127	137.0	230	3	208.00
12959	140	150.4	260	1	90.00
12960	140	150.4	260	3	243.00
12961	150	160.8	280	1	100.00
12962	150	160.8	280	3	264.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PVC Spiral Ventilation Tubing**  
**Type: THOMAPLAST® CHAP 56794**
**Product specification:**

- Light design
- Ideal tubing for ventilation
- Very good mechanical stability
- Resistant to weather and aging
- Hardly inflammable
- Antiadhesive surface

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: grey
- Temperature range: -15 °C to +60 °C
- Insert: a rigid PVC spiral, inside integrated, white
- Design: inside and outside corrugated

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Length m	Price EURO
12642	25	30.0	25	5	67.00
12643	25	30.0	25	10	121.00
12644	30	35.4	30	5	87.00
12645	30	35.4	30	10	162.00
12646	35	41.0	35	5	95.00
12647	35	41.0	35	10	174.00
12648	40	46.0	40	5	113.00
12649	40	46.0	40	10	208.00
12650	45	52.0	45	5	123.00
12651	45	52.0	45	10	223.00
12652	50	57.0	50	5	146.00
12653	50	57.0	50	10	269.00
12654	60	68.0	60	5	169.00
12655	60	68.0	60	10	310.00
12656	70	78.4	70	3	126.00
12657	70	78.4	70	5	190.00
12658	75	84.0	75	3	136.00
12659	75	84.0	75	5	208.00
12660	80	89.0	80	3	141.00
12661	80	89.0	80	5	218.00
12662	90	99.0	90	3	164.00
12663	90	99.0	90	5	251.00
12664	100	110.0	100	1	75.00
12665	100	110.0	100	3	174.00
12666	110	120.4	110	1	77.00
12667	110	120.4	110	3	192.00
12668	120	131.0	120	1	80.00
12669	120	131.0	120	3	197.00
12670	125	136.0	125	1	90.00
12671	125	136.0	125	3	225.00
12672	130	141.0	130	1	92.00
12673	130	141.0	130	3	233.00
12674	140	151.0	140	1	98.00
12675	140	151.0	140	3	254.00
12676	150	162.0	150	1	105.00
12677	150	162.0	150	3	269.00
12678	160	172.0	160	1	113.00
12679	180	193.0	180	1	128.00
12680	200	214.0	200	1	146.00
12681	250	264.0	250	1	220.00

**THOMAFLUID® PVC Spiral Ventilation Tubing**  
**Type: THOMAPLAST® CHAP 5165**
**Product specification:**

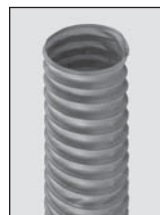
- Very light and extremely flexible ventilation tubing
- Dammable up to approx. 65 %
- Burning behaviour according to DIN 4102, Class B1
- Resistant to weather and aging
- Hardly inflammable
- Best mechanical properties

**Technical specification:**

- Material: PVC-coated tissue made of PA
- Colour: grey



12 642



12 963

- Temperature range: -25 °C to +75 °C
- Insert: a welded-in steel wire spiral
- Design: inside and outside corrugated

Cat. No.	I. D. mm	Max. operating pressure¹ mbar	Max. operating pressure² mbar	Bending radius mm	Length m	Price EURO
12963	50	63	25	40	3	70.00
12964	50	63	25	40	6	129.00
12965	76	63	25	55	3	86.00
12966	76	63	25	55	6	156.00
12967	82	63	25	60	3	90.00
12968	82	63	25	60	6	170.00
12969	89	63	25	65	3	105.00
12970	89	63	25	65	6	194.00
12971	102	63	25	75	3	105.00
12972	102	63	25	75	6	194.00
12973	110	63	25	80	3	118.00
12974	110	63	25	80	6	212.00
12975	120	63	25	85	3	126.00
12976	120	63	25	85	6	230.00
12977	127	63	25	90	3	126.00
12978	127	63	25	90	6	230.00
12979	140	63	25	100	3	136.00
12980	140	63	25	100	6	249.00
12981	152	63	20	110	3	136.00
12982	152	63	20	110	6	249.00
12983	160	63	20	120	3	146.00
12984	160	63	20	120	6	270.00
12985	180	63	20	130	3	174.00
12986	180	63	20	130	6	319.00
12987	203	63	20	150	1	68.00
12988	203	63	20	150	3	184.00
12989	254	50	16	180	1	95.00
12990	254	50	16	180	3	248.00

**THOMAFLUID® PVC Spiral Ventilation Tubing**  
**Type: THOMAPLAST® CHAP 5165**

Cat. No.	I. D. mm	Max. operating pressure <sup>1</sup> mbar	Max. operating pressure <sup>2</sup> mbar	Bending radius mm	Length m	Price EURO
12991	305	50	16	220	1	110.00
12992	305	50	16	220	3	297.00
12993	355	40	12	260	1	131.00
12994	400	40	12	300	1	146.00

<sup>1</sup> at +20 °C excess pressure<sup>2</sup> at +20 °C vacuum
**THOMAFLUID® PVC Spiral Tubing, light**  
**Type: THOMAPLAST® CHAP 5694**

Cat. No.	I. D. mm	O. D. mm	Weight kg/m	Length m	Price EURO
12697	24	29.6	0.19	10	259.00
12698	25	30.6	0.20	5	151.00
12699	25	30.6	0.20	10	279.00
12700	28	33.2	0.22	5	159.00
12701	28	33.2	0.22	10	292.00
12702	30	35.2	0.24	5	167.00
12703	30	35.2	0.24	10	305.00
12704	32	37.2	0.25	3	108.00
12705	32	37.2	0.25	5	164.00
12706	35	40.2	0.28	3	113.00

**THOMAFLUID® PVC Spiral Tubing, light**  
**Type: THOMAPLAST® CHAP 5694**
**Product specification:**

- Light design
- Good mechanical stability
- Resistant to weather and aging
- Hardly inflammable
- Antiadhesive surface

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: silver metallic
- Temperature range: -15 °C to +65 °C
- Insert: a steel wire spiral, PVC-coated, white inside and outside corrugated
- Design:

Cat. No.	I. D. mm	O. D. mm	Weight kg/m	Length m	Price EURO
12682	10	15.6	0.10	5	90.00
12683	10	15.6	0.10	10	164.00
12684	12	17.6	0.11	5	100.00
12685	12	17.6	0.11	10	182.00

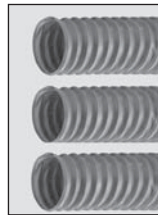


12 682

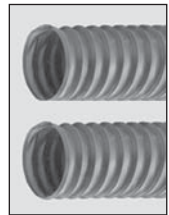


12 682

12686	14	19.6	0.12	5	110.00
12687	14	19.6	0.12	10	202.00
12688	16	21.6	0.13	5	121.00
12689	16	21.6	0.13	10	223.00
12690	18	23.6	0.14	5	133.00
12691	18	23.6	0.14	10	241.00
12692	20	25.6	0.16	5	139.00
12693	20	25.6	0.16	10	254.00
12694	22	27.6	0.17	5	141.00
12695	22	27.6	0.17	10	259.00
12696	24	29.6	0.19	5	141.00



12 697



12 697

19021	35	40.2	0.28	5	174.00
19022	38	43.2	0.31	3	118.00
12707	38	43.2	0.31	5	185.00
12708	40	45.2	0.32	3	121.00
12709	40	45.2	0.32	5	187.00
12710	42	47.2	0.34	3	131.00
12711	42	47.2	0.34	5	197.00
12712	45	50.2	0.36	3	141.00
12713	45	50.2	0.36	5	215.00
12714	50	55.4	0.37	3	146.00
12715	50	55.4	0.37	5	223.00
12716	55	60.4	0.39	3	156.00
12717	55	60.4	0.39	5	240.00
12718	60	65.4	0.40	3	167.00
12719	60	65.4	0.40	5	253.00
12720	65	70.8	0.42	2	121.00
12721	65	70.8	0.42	3	167.00
12722	70	75.8	0.44	2	128.00
12723	70	75.8	0.44	3	177.00
12724	75	80.8	0.47	2	133.00
12725	75	80.8	0.47	3	185.00
12726	80	86.6	0.70	2	144.00
12727	80	86.6	0.70	3	197.00
12728	90	96.6	0.85	2	169.00
12729	90	96.6	0.85	3	231.00
12730	100	106.6	1.00	2	172.00
12731	100	106.6	1.00	3	238.00
12732	110	116.6	1.05	1	98.00
12733	120	126.6	1.33	1	116.00
12734	125	131.6	1.36	1	126.00
12735	150	157.7	1.46	1	141.00

**THOMAFLUID® PVC Spiral Tubing, heavy**  
**Type: THOMAPLAST® CHAP 49-97**
**Product specification:**

- Heavy design

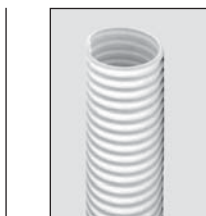
## TUBING TECHNOLOGY-ELASTOMERS

- Good mechanical stability
- Resistant to weather and aging
- Hardly inflammable
- Antiadhesive surface

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: grey
- Temperature range: -10 °C to +60 °C
- Insert: a steel wire spiral, PVC-coated, white
- Design: inside and outside corrugated

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Max. operating pressure <sup>2</sup>	Length	Price
	mm	mm	mbar	mbar	m	EURO



12 736



12 736

12736	20	26.4	900	1800	2	100.00
12737	20	26.4	900	1800	3	139.00
12738	30	37.0	800	1500	2	128.00
12739	30	37.0	800	1500	3	174.00
12740	32	39.0	800	1500	2	131.00
12741	32	39.0	800	1500	3	179.00
12742	40	47.0	600	1000	1	80.00
12743	40	47.0	600	1000	3	215.00
12744	50	58.7	450	800	1	100.00
12745	50	58.7	450	800	3	277.00
12746	60	68.7	450	800	1	116.00
12747	70	78.7	450	800	1	131.00
12748	80	88.7	450	800	1	149.00
12749	90	98.7	450	800	1	164.00
12750	100	108.7	200	400	1	177.00

<sup>1</sup> at +20 °C excess pressure

<sup>2</sup> at +20 °C vacuum

### THOMAFLUID® PVC Spiral Industrial Suction and Pressure Tubing (light green) Type: THOMAPLAST® CHAP 55494

**Product specification:**

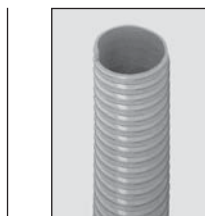
- Suction and pressure tubing
- Robust design with integrated PVC spiral

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: light green
- Temperature range: -10 °C to +60 °C
- Insert: embedded rigid PVC spiral
- Vacuum strength (at 20 °C): ID 25 mm to 100 mm = 70 %  
ID 110 mm = 60 %
- Design: inside smooth, outside corrugated

### THOMAFLUID® PVC Spiral Industrial Suction and Pressure Tubing (light green) Type: THOMAPLAST® CHAP 55494

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO



12 604



12 604

12604	25	32	7	120	5	82.00
12605	25	32	7	120	10	144.00
12606	32	40	6	150	5	87.00
12607	32	40	6	150	10	159.00
12608	38	46	6	170	5	110.00
12609	38	46	6	170	10	200.00
12610	50	59	5	230	5	136.00
12611	50	59	5	230	10	251.00
12612	65	75	4	290	3	108.00
12613	65	75	4	290	6	192.00
12614	75	85	4	340	3	146.00
12615	75	85	4	340	6	269.00
12616	90	101	4	410	3	187.00
12617	90	101	4	410	6	341.00
12618	100	112	3	540	3	202.00
12619	100	112	3	540	6	407.00
12620	110	122	3	500	3	248.00
12621	110	122	3	500	5	381.00

### THOMAFLUID® PVC Spiral Industrial Suction and Pressure Tubing (dark-green) Type: THOMAPLAST® CHAP 55494



12 596 (voir page 74)



12 596 (voir page 74)

**Product specification:**

- Suction and pressure tubing
- Extremely heavy type with integrated PVC pressure spiral

**Technical specification:**

- Material: PVC soft (polyvinyl chloride)
- Colour: dark-green
- Temperature range: -10 °C to +60 °C
- Insert: embedded rigid PVC pressure spiral

## TUBING TECHNOLOGY-ELASTOMERS

- Vacuum strength (at 20 °C): ID 50 mm = 99.9 %  
ID 63 mm to 76 mm = 90 %  
ID 100 mm = 85 %
- Design: inside smooth, outside corrugated

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12596	50	60	5.0	250	3	118.00
12597	50	60	5.0	250	5	177.00
12598	63	73	4.5	310	3	139.00
12599	63	73	4.5	310	5	213.00
12600	76	87	4.0	380	3	162.00
12601	76	87	4.0	380	5	233.00
12602	100	113	3.0	500	1	80.00
12603	100	113	3.0	500	3	215.00

<sup>1</sup> at +20 °C

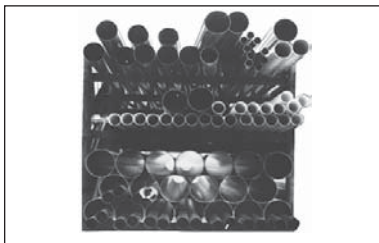
### THOMAFLUID® PVC-U Pressure Pipes Type: THOMAPROP ST 18598

#### Technical specification:

- Material: pressure pipes made of impact resistant rigid PVC (PVC-U)
- Colour: grey, according to RAL 7011
- Max. operating pressure: 10 bar and 16 bar respectively
- Design: pipe ends are smooth

### THOMAFLUID® PVC-U Pressure Pipes Type: THOMAPROP ST 18598 PN 10

Cat. No.	O. D. mm	Wall thickness mm	Max. operating pressure <sup>1</sup> bar	Length m	Piece/ package	Price EURO
350160	12	1.0	10	1	3	18.00
350161	16	1.2	10	1	3	20.00
350162	20	1.5	10	1	3	26.00
350163	25	1.5	10	1	3	28.00
350164	32	1.8	10	1	3	40.00
350165	40	1.9	10	1	3	52.00



35 0160

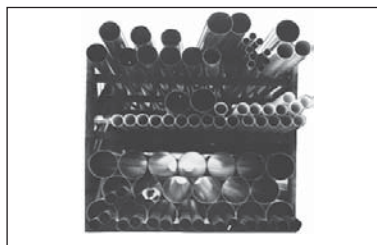
350166	50	2.4	10	1	3	66.00
350167	12	1.0	10	2	1	16.00
350168	16	1.2	10	2	1	18.00
350169	20	1.5	10	2	1	22.00
350170	25	1.5	10	2	1	24.00
350171	32	1.8	10	2	1	34.00
350172	40	1.9	10	2	1	36.00
350173	50	2.4	10	2	1	52.00

<sup>1</sup> at +20 °C

## THOMAFLUID®

### THOMAFLUID® PVC-U Pressure Pipes Type: THOMAPROP ST 18598 PN 16

Cat. No.	O. D. mm	Wall thickness mm	Max. operating pressure <sup>1</sup> bar	Length m	Piece/ package	Price EURO
350174	12	1.4	16	1	3	20.00
350175	16	1.8	16	1	3	22.00
350176	20	2.3	16	1	3	27.00
350177	25	1.9	16	1	3	30.00
350178	32	2.4	16	1	3	52.00
350179	40	3.0	16	1	3	65.00
350180	50	3.7	16	1	3	88.00
350181	12	1.4	16	2	1	18.00
350182	16	1.8	16	2	1	20.00



35 0174

350183	20	2.3	16	2	1	23.00
350184	25	1.9	16	2	1	25.00
350185	32	2.4	16	2	1	36.00
350186	40	3.0	16	2	1	51.00
350187	50	3.7	16	2	1	72.00

<sup>1</sup> at +20 °C

## THOMAFLUID® EVA Tubing

### THOMAFLUID® EVA High-Performance Analytical Tubing Type: THOMACHEM® DRT High-Resistance

#### Product specification:

- Low density
- Very good abrasion resistance
- Outstanding mechanical stability
- Antiadhesive surface (absolutely smooth-walled)
- Very good resistance to aging and weather
- Best dielectric properties
- Hardly inflammable
- Good impact strength, even at low temperatures
- Tasteless and odourless
- Flexible and resistant material
- Lowest permeability to steam and gas, thus best gas-tightness (for use as CO<sub>2</sub> pipeline in dispensing equipment).
- EVA ideally combines the properties of PE of low density with those of soft PVC.

## TUBING TECHNOLOGY-ELASTOMERS

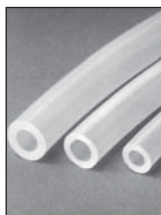
- The material combination shows excellent resistance even to critical media, e.g. formic acid (85 %), ethanol, ethylene diamine, ethylene glycol, benzyl alcohol, butanol, cyclohexanol, acetic acid, hydrofluoric acid, formaldehyde, isopropanol, caustic potash, perchloric acid (70 %), phosphoric acid (95 %), propionic acid, pyridine, nitric acid (30 %), hydrochloric acid (conc.), sulphuric acid (70 %), hydrogen peroxide (100 %) etc.

**Technical specification:**

- Material: EVA (ethylene vinyl acetate copolymer)
- Colour: translucent
- Shore hardness A: 84° ± 5° (DIN 53505)
- Temperature range: -20 °C to +80 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 0.931 g/cm<sup>3</sup> at +23 °C (DIN 53479)



33 2404



33 2404

- Elongation at break: 700 % (DIN 53455)
- Dielectric constant: 2.6 at 10<sup>6</sup> Hz (DIN 53483)
- Permeability to steam: 4.5 g / (m<sup>2</sup> x d) (DIN 53122)

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price
					EURO
332404	0.5	1.5	20.0	10	114.00
332405	0.5	1.5	20.0	20	198.00
332406	0.5	1.5	20.0	40	352.00
332407	0.5	2.0	30.0	10	114.00
332408	0.5	2.0	30.0	20	198.00
332409	0.5	2.0	30.0	40	352.00
332410	1.0	3.0	20.0	10	114.00
332411	1.0	3.0	20.0	20	198.00
332412	1.0	3.0	20.0	40	352.00
332413	1.0	4.0	30.0	10	126.00
332414	1.0	4.0	30.0	20	218.00
332415	1.0	4.0	30.0	40	388.00
332416	2.0	4.0	10.0	10	118.00
332417	2.0	4.0	10.0	20	206.00
332418	2.0	4.0	10.0	40	366.00
332419	3.0	5.0	7.0	10	132.00
332420	3.0	5.0	7.0	20	226.00
332421	3.0	5.0	7.0	40	402.00
19211	3.0	6.0	12.5	10	102.00
19212	3.0	6.0	12.5	20	184.00
19213	3.0	6.0	12.5	40	332.00
19214	4.0	6.0	8.0	10	102.00
19215	4.0	6.0	8.0	20	184.00
19216	4.0	6.0	8.0	40	332.00

<sup>1</sup> at +20 °C
**THOMAFLUID® EVA Chemical Tubing**  
**Type: THOMACHEM® DRT High-Resistance**
**Product specification:**

- Low density
- Very good abrasion resistance
- Outstanding mechanical stability
- Antiadhesive surface (absolutely smooth-walled)
- Very good resistance to aging and weather
- Best dielectric properties
- Hardly inflammable
- Good impact strength, even at low temperatures
- Tasteless and odourless
- Flexible and resistant material
- Lowest permeability to steam and gas, thus best gas-tightness (for use as CO<sub>2</sub> pipeline in dispensing equipment).
- EVA (ethylene vinyl acetate copolymer) ideally combines the properties of PE of low density with those of soft PVC.
- The material combination shows excellent resistance even to critical media, e.g. formic acid (85 %), ethanol, ethylene diamine, ethylene glycol, benzyl alcohol, butanol, cyclohexanol, acetic acid, hydrofluoric acid, formaldehyde, isopropanol, caustic potash, perchloric acid (70 %), phosphoric acid (95 %), propionic acid, pyridine, nitric acid (30 %), hydrochloric acid (conc.), sulphuric acid (70 %), hydrogen peroxide (100 %) etc.

**Technical specification:**

- Material: EVA (ethylene vinyl acetate copolymer)
- Colour: translucent
- Shore hardness A: 84° ± 5° (DIN 53505)
- Temperature range: -20 °C to +80 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 0.931 g/cm<sup>3</sup> at +23 °C (DIN 53479)
- Elongation at break: 700 % (DIN 53455)



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- Dielectric constant: 2.6 at 10<sup>6</sup> Hz (DIN 53483)
- Permeability to steam: 4.5 g / (m<sup>2</sup> x d) (DIN 53122)

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price
					EURO
19211	3.0	6.0	12.5	10	102.00
19212	3.0	6.0	12.5	20	184.00
19213	3.0	6.0	12.5	40	332.00

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## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EVA Chemical Tubing**  
**Type: THOMACHEM® DRT High-**  
**Resistance**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
19214	4.0	6.0	8.0	10	102.00
19215	4.0	6.0	8.0	20	184.00
19216	4.0	6.0	8.0	40	332.00
19217	4.0	8.0	12.5	10	118.00
19218	4.0	8.0	12.5	20	212.00
19219	4.0	8.0	12.5	40	382.00
19220	4.0	10.0	12.5	10	136.00
19221	4.0	10.0	12.5	20	244.00
19222	4.0	10.0	12.5	40	440.00
19223	5.0	8.0	8.5	10	112.00
19224	5.0	8.0	8.5	20	202.00
19225	5.0	8.0	8.5	40	364.00
19226	5.0	12.0	12.5	10	170.00
19227	5.0	12.0	12.5	20	306.00
19228	5.0	12.0	12.5	40	552.00
19229	6.0	8.0	6.5	10	128.00
19230	6.0	8.0	6.5	20	234.00
19231	6.0	8.0	6.5	40	418.00
332401	6.0	10.0	7.5	10	152.00
332402	6.0	10.0	7.5	20	226.00
332403	6.0	10.0	7.5	40	408.00
19232	6.0	12.0	12.5	10	162.00
19233	6.0	12.0	12.5	20	292.00
19234	6.0	12.0	12.5	40	524.00
19235	7.0	10.0	6.5	10	118.00
19236	7.0	10.0	6.5	20	212.00
19237	7.0	10.0	6.5	40	382.00
19238	7.0	14.0	12.5	10	178.00
19239	7.0	14.0	12.5	20	322.00
19240	7.0	14.0	12.5	40	580.00
19241	8.0	10.0	4.0	10	112.00
19242	8.0	10.0	4.0	20	202.00
19243	8.0	10.0	4.0	40	346.00
19244	8.0	12.0	7.5	10	140.00
19245	8.0	12.0	7.5	20	252.00
19246	8.0	12.0	7.5	40	454.00
19247	8.0	14.0	10.5	10	162.00
19248	8.0	14.0	10.5	20	292.00
19249	8.0	14.0	10.5	40	522.00
19250	9.0	12.0	5.0	10	152.00
19251	9.0	12.0	5.0	20	226.00
19252	9.0	12.0	5.0	40	408.00
19253	9.0	14.0	9.0	10	146.00
19254	9.0	14.0	9.0	20	262.00
19255	9.0	14.0	9.0	40	468.00
19256	9.0	16.0	10.5	10	212.00
19257	9.0	16.0	10.5	20	354.00
19258	9.0	16.0	10.5	40	638.00
19259	10.0	14.0	6.0	10	132.00
19260	10.0	14.0	6.0	20	236.00
19261	10.0	14.0	6.0	40	422.00
19262	10.0	16.0	8.5	10	188.00
19263	10.0	16.0	8.5	20	320.00
19264	10.0	16.0	8.5	40	558.00
19265	12.0	16.0	5.5	10	170.00
19266	12.0	16.0	5.5	20	322.00
19267	12.0	16.0	5.5	40	550.00
19268	12.0	18.0	7.5	10	222.00
19269	12.0	18.0	7.5	20	370.00
19270	12.0	18.0	7.5	40	668.00
19271	12.0	20.0	9.5	10	296.00
19272	12.0	20.0	9.5	20	494.00
19273	12.0	20.0	9.5	40	892.00

**THOMAFLUID® EVA Chemical Tubing**  
**Type: THOMACHEM® DRT High-**  
**Resistance**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
19274	13.0	18.0	6.0	10	190.00
19275	13.0	18.0	6.0	20	318.00
19276	13.0	18.0	6.0	40	576.00
19277	14.0	18.0	4.5	10	168.00
19278	14.0	18.0	4.5	20	288.00
19279	14.0	18.0	4.5	40	502.00
19280	15.0	20.0	5.5	10	212.00
19281	15.0	20.0	5.5	20	354.00
19282	15.0	20.0	5.5	40	638.00
19283	16.0	20.0	6.5	10	192.00
19284	16.0	20.0	6.5	20	322.00
19285	16.0	20.0	6.5	40	580.00
19286	18.0	22.0	4.0	10	196.00
19287	18.0	22.0	4.0	20	354.00
19288	18.0	22.0	4.0	40	638.00

<sup>1</sup> at +20 °C
**THOMAFLUID® EPDM / PP**  
**Tubing**
**THOMAFLUID® EPDM / PP Peristaltic**  
**Pump and Chemical Tubing – technical –**  
**Type: THOMAPLAST® N-KF**
**Product specification:**

- Robust peristaltic pump and chemical tubing
- Extremely long service lives compared to common tubing material
- Mechanically highly loadable
- Comparison of service lives:  
EPDM / PP: 135 h  
Silicone: 100 h  
PVC: 90 h
- Best elastic behaviour (highly flexible)
- Very good abrasion resistance
- Good thermal resistance
- Very good resistance to aging, ozone and weather. After ten years the material does not show any symptoms of aging.
- Suitable for joining with adhesives and heat-sealing

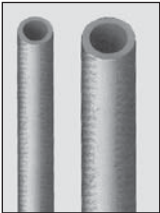
**Technical specification:**

- Material: EPDM / PP (thermoplastic elastomer), compound of EPDM and PP, as well as stabilizing additives; EPDM (ethylene-propylene-diene rubber); PP (polypropylene)
- Colour: black
- Shore hardness A: 61° ± 3°
- Temperature range: -35 °C to +135 °C
- Embrittlement temperature: -60 °C

## TUBING TECHNOLOGY-ELASTOMERS

- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Tearing strength: 70 kg/cm<sup>2</sup>
- Elongation at break: 375 %
- Dielectric constant: 2.9 at 80 V/0.025 mm
- Volume resistivity: 2 x 10<sup>16</sup> Ohm x cm

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Max. operating pressure <sup>2</sup> bar	Length m	Price EURO
92913	1.6	4.8	2.35	1.45	5	54.00
92914	1.6	4.8	2.35	1.45	10	90.00
92915	1.6	4.8	2.35	1.45	15	116.00
92916	3.2	6.4	1.31	0.83	5	72.00
92917	3.2	6.4	1.31	0.83	10	123.00
92918	3.2	6.4	1.31	0.83	15	156.00
92919	4.8	8.0	0.90	0.55	5	92.00



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92 913

92920	4.8	8.0	0.90	0.55	10	162.00
92921	4.8	8.0	0.90	0.55	15	205.00
92922	6.4	9.6	0.69	0.42	5	116.00
92923	6.4	9.6	0.69	0.42	10	200.00
92924	6.4	9.6	0.69	0.42	15	254.00
92925	8.0	11.1	0.55	0.35	5	136.00
92926	8.0	11.1	0.55	0.35	10	233.00
92927	8.0	11.1	0.55	0.35	15	294.00
92928	9.5	12.7	0.48	0.28	5	162.00
92929	9.5	12.7	0.48	0.28	10	225.00
92930	9.5	12.7	0.48	0.28	15	351.00
92931	9.5	14.3	0.69	0.42	5	254.00
92932	9.5	14.3	0.69	0.42	10	440.00
92933	9.5	14.3	0.69	0.42	15	558.00
92934	11.1	14.3	0.42	0.28	5	179.00
92935	11.1	14.3	0.42	0.28	10	310.00
92936	11.1	14.3	0.42	0.28	15	394.00
92937	12.7	15.9	0.42	0.21	5	200.00
92938	12.7	15.9	0.42	0.21	10	348.00
92939	12.7	15.9	0.42	0.21	15	440.00
92940	15.9	20.6	0.48	0.28	5	384.00
92941	15.9	20.6	0.48	0.28	10	645.00
92942	15.9	20.6	0.48	0.28	15	819.00

<sup>1</sup> at +20 °C    <sup>2</sup> at +80 °C

### THOMAFLUID® EPDM / PP Heavy-Duty Pump and Chemical Tubing Type: THOMACHEM DRT

#### Product specification:

- Conveying and pump tubing for continuous operation
- Highest resistance to abrasion
- Free from extractable constituents
- Chemically resistant
- Extremely low permeability to gas
- Repeatedly autoclavable

- Heat-sealing and bonding properties
- Service life: 30 times longer than comparable silicone tubes

#### Technical specification:

- Material: compound of EPDM (ethylene-propylene-diene rubber) and PP (polypropylene) as well as stabilizing additives
- Colour: yellowish
- Shore hardness A: 62°
- Temperature range: -50 °C to +150 °C
- Density: 0.97 g/cm<sup>3</sup>
- Embrittlement temperature: -75 °C
- Sterilization: up to +135 °C
- Regulations: FDA § 177.2800, USP XXI, DAB 10, BfR XV

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
333647	1.0	3.0	5	72.00
333648	1.0	3.0	15	178.00
333649	1.0	4.0	5	72.00
333650	1.0	4.0	15	178.00
333651	2.0	4.0	5	72.00
333652	2.0	4.0	15	178.00
333653	2.0	6.0	5	76.00
333654	2.0	6.0	15	186.00
10421	2.4	5.6	5	82.00
10422	2.4	5.6	15	197.00
10423	3.0	5.0	5	82.00
10424	3.0	5.0	15	197.00
333655	3.0	6.0	5	88.00
333656	3.0	6.0	15	211.00
333657	3.0	7.0	5	88.00
333658	3.0	7.0	15	211.00
10425	3.2	6.4	5	88.00
10426	3.2	6.4	15	211.00
10427	4.0	6.0	5	88.00
10428	4.0	6.0	15	211.00
10429	4.0	8.0	5	105.00
10430	4.0	8.0	15	250.00
10431	4.8	8.0	5	105.00
10432	4.8	8.0	15	250.00



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333659	5.0	8.0	5	105.00
333660	5.0	8.0	15	250.00
333661	5.0	9.0	5	105.00
333662	5.0	9.0	15	250.00
10433	5.1	8.3	5	105.00
10434	5.1	8.3	15	250.00
333663	6.0	8.0	5	105.00
333664	6.0	8.0	15	250.00
10435	6.0	9.0	5	107.00
10436	6.0	9.0	15	250.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EPDM / PP Heavy-Duty  
Pump and Chemical Tubing  
Type: THOMACHEM DRT**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
10439	6.0	10.0	5	126.00
10440	6.0	10.0	15	302.00
10437	6.4	9.6	5	118.00
10438	6.4	9.6	15	283.00
333665	7.0	9.0	5	126.00
333666	7.0	9.0	15	302.00
10441	7.0	10.0	5	126.00
10442	7.0	10.0	15	302.00
333667	7.0	11.0	5	145.00
333668	7.0	11.0	15	356.00
333669	8.0	10.0	5	138.00
333670	8.0	10.0	15	338.00
10443	8.0	11.2	5	126.00
10444	8.0	11.2	15	302.00
10445	8.0	12.0	5	139.00
10446	8.0	12.0	15	332.00
333671	9.0	12.0	5	145.00
333672	9.0	12.0	15	365.00
333673	9.0	13.0	5	145.00
333674	9.0	13.0	15	365.00
333675	10.0	12.0	5	145.00
333676	10.0	12.0	15	365.00
10447	10.0	14.0	5	153.00
10448	10.0	14.0	15	367.00
333677	12.0	14.0	5	153.00
333678	12.0	14.0	15	367.00
333679	12.0	16.0	5	264.00
333680	12.0	16.0	15	594.00
333681	14.0	16.0	5	264.00
333682	14.0	16.0	15	594.00
333683	14.0	18.0	5	280.00
333684	14.0	18.0	15	644.00
333685	16.0	18.0	5	280.00
333686	16.0	18.0	15	644.00
333687	16.0	20.0	5	298.00
333688	16.0	20.0	15	693.00
333689	18.0	22.0	5	316.00
333690	18.0	22.0	15	735.00
333691	18.0	26.0	5	584.00
333692	18.0	26.0	15	1314.00

**THOMAFLUID® EPDM / PP-Compound  
High-Tech Pharmaceutical Tubing GMP  
Type: THOMACHEM ATC 7**
**Application areas:**

- Conveying of sensible and highly purified fluids and of gases
- High performance pump tubing for all types of peristaltic pumps
- Applications in the pharmaceutical, chemical, and cosmetic industry

**Product specification:**

- Flexible and elastic high-tech tubing of highest resistance to continuous bending and abrasion, chemically resistant, free from extractable constituents, complying to the USP Class VI.

- Absolutely biocompatible, neither cytotoxic nor hemolytical. Approved for direct contact with food and for use in equipments for food production according to the FDA and NSF guidelines 21 CFR 177.2600.
- Extremely low permeability to gas, not permeable to UV and daylight, repeatedly autoclavable, and chemically sterilizable.
- Heat-sealing and bonding properties, up to 30 times longer service lives than comparable silicone products.

**Technical specification:**

- Material: compound of EPDM and PP, as well as stabilizing additives (thermoplastic elastomer); EPDM (ethylene-propylene-diene rubber); PP (polypropylene)
- Colour: yellowish
- Shore hardness A: 64°
- Temperature range: -50 °C to +150 °C
- Embrittlement temperature: -80 °C
- Density: 0.97 g/cm<sup>3</sup>
- Elongation at break: 440 %
- Permeability: extremely low
- Regulations: GMP-special treatment, meeting the FDA, USP, BfR, and DAB-standards

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
14806	0.5	3.7	1.6	3.0	66.00
84627	0.5	3.7	1.6	7.5	137.00
14807	0.8	4.0	1.6	3.0	79.00
84628	0.8	4.0	1.6	7.5	163.00
14808	1.6	4.8	1.6	3.0	96.00
84629	1.6	4.8	1.6	7.5	201.00
14809	1.6	6.4	2.4	3.0	110.00
14810	1.6	6.4	2.4	7.5	218.00
84630	3.2	6.4	1.6	3.0	101.00
84631	3.2	6.4	1.6	7.5	209.00
14811	3.2	8.0	2.4	3.0	113.00
14812	3.2	8.0	2.4	7.5	226.00
14839	3.2	9.6	3.2	3.0	127.00
14840	3.2	9.6	3.2	7.5	255.00
84632	4.8	8.0	1.6	3.0	102.00
84633	4.8	8.0	1.6	7.5	211.00
14813	4.8	9.6	2.4	3.0	116.00
14814	4.8	9.6	2.4	7.5	233.00
84634	6.3	9.5	1.6	3.0	124.00
84635	6.3	9.5	1.6	7.5	257.00
14815	6.3	11.1	2.4	3.0	140.00
14816	6.3	11.1	2.4	7.5	280.00
84636	6.3	12.7	3.2	3.0	177.00
84637	6.3	12.7	3.2	7.5	354.00
84638	8.0	11.2	1.6	3.0	129.00
84639	8.0	11.2	1.6	7.5	268.00
14817	8.0	12.8	2.4	3.0	147.00
14818	8.0	12.8	2.4	7.5	294.00
14819	8.0	16.0	4.0	1.0	145.00
14820	8.0	16.0	4.0	3.0	362.00
14821	9.5	14.3	2.4	1.0	89.00
14822	9.5	14.3	2.4	3.0	218.00
84640	9.5	15.9	3.2	1.0	104.00
84641	9.5	15.9	3.2	3.0	260.00
14823	9.5	19.1	4.8	1.0	145.00
14824	9.5	19.1	4.8	3.0	362.00
14827	12.0	20.0	4.0	1.0	174.00
14828	12.0	20.0	4.0	3.0	435.00
84642	12.7	19.1	3.2	1.0	121.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EPDM / PP-Compound  
High-Tech Pharmaceutical Tubing GMP  
Type: THOMACHEM ATC 7**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
84643	12.7	19.1	3.2	3.0	301.00
14825	12.7	22.3	4.8	1.0	174.00
14826	12.7	22.3	4.8	3.0	434.00
84644	16.0	22.4	3.2	1.0	135.00
84645	16.0	22.4	3.2	3.0	340.00
14829	16.0	24.0	4.0	1.0	163.00
14830	16.0	24.0	4.0	3.0	391.00
14831	16.0	25.6	4.8	1.0	158.00
14832	16.0	25.6	4.8	3.0	378.00
84646	19.0	25.4	3.2	1.0	158.00
84647	19.0	25.4	3.2	3.0	378.00
14833	19.0	28.6	4.8	1.0	191.00
14834	19.0	28.6	4.8	3.0	458.00
14835	25.4	31.8	3.2	1.0	187.00
14836	25.4	31.8	3.2	3.0	436.00
14837	24.4	34.0	4.8	1.0	195.00
14838	24.4	34.0	4.8	3.0	558.00

**THOMAFLUID® EPDM / PP Heavy-Duty  
Pump Tubing with Two Stoppers  
Type: THOMAPLAST® ISMT-2**
**Product specification:**

- Conveying and pump tubing for continuous operation
- Highest resistance to abrasion
- Free from extractable constituents
- Chemically resistant
- Extremely low permeability to gas
- Repeatedly autoclavable
- Heat-sealing and bonding properties
- Service life: 30 times longer than comparable silicone tubes
- Total length: approx. 38 cm
- Distance between stoppers: 15.2 cm

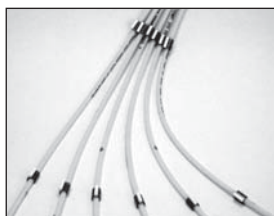
**Technical specification:**

- Material: compound of EPDM (ethylene-propylene-diene rubber) and PP (polypropylene) as well as stabilizing additives
- Colour: yellowish
- Shore hardness A: 64°
- Temperature range: -50 °C to +150 °C
- Embrittlement temperature: -75 °C
- Density: 0.97 g/cm<sup>3</sup>
- Sterilization: up to +135 °C
- Regulations: FDA § 177.2800, USP XXI, DAB 10, BfR XV

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
338733	0.25	2.07	orange/blue	3	58.00
338734	0.38	2.20	orange/green	3	58.00
338735	0.51	2.33	orange/yellow	3	58.00
338736	0.64	2.46	orange/white	3	58.00

**THOMAFLUID® EPDM / PP Heavy-Duty  
Pump Tubing with Two Stoppers  
Type: THOMAPLAST® ISMT-2**

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
338737	0.76	2.44	black/black	3	58.00
338738	0.89	2.57	orange/orange	3	58.00
339251	1.02	2.70	white/white	3	58.00
339252	1.14	2.82	red/red	3	58.00
339253	1.3	2.98	grey/grey	3	58.00
339254	1.42	3.10	yellow/yellow	3	58.00
339255	1.52	3.20	yellow/blue	3	58.00
339256	1.65	3.33	blue/blue	3	58.00



33 8733

339257	1.85	3.53	green/green	3	58.00
339258	2.06	3.74	violet/violet	3	58.00
339259	2.29	3.97	violet/black	3	58.00
339260	2.54	4.22	violet/orange	3	58.00
339261	2.79	4.67	violet/white	3	58.00

**THOMAFLUID® EPDM / PP Heavy-Duty  
Pump Tubing with Three Stoppers  
Type: THOMAPLAST® ISMT-3**
**Product specification:**

- Conveying and pump tubing for continuous operation
- Highest resistance to abrasion
- Free from extractable constituents
- Chemically resistant
- Extremely low permeability to gas
- Repeatedly autoclavable
- Heat-sealing and bonding properties
- Service life: 30 times longer than comparable silicone tubes
- Total length: approx. 38 cm
- Distance between stoppers: 7.8 cm

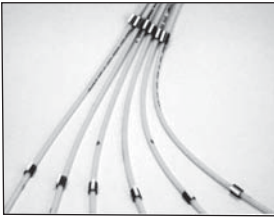
**Technical specification:**

- Material: compound of EPDM (ethylene-propylene-diene rubber) and PP (polypropylene) as well as stabilizing additives
- Colour: yellowish
- Shore hardness A: 64°
- Temperature range: -50 °C to +150 °C

## TUBING TECHNOLOGY-ELASTOMERS

- Embrittlement temperature: -75 °C
- Density: 0.97 g/cm<sup>3</sup>
- Sterilization: up to +135 °C
- Regulations: FDA § 177.2800, USP XXI, DAB 10, BFR XV

Cat. No.	I. D. mm	O. D. mm	Colour code	Piece/ package	Price EURO
339262	0.25	2.07	orange/blue	3	66.00
339263	0.38	2.20	orange/green	3	66.00
339264	0.51	2.33	orange/white	3	66.00
339265	0.64	2.46	orange/yellow	3	66.00
339266	0.76	2.44	black/black	3	66.00
339267	0.89	2.57	orange/orange	3	66.00
339268	1.02	2.70	white/white	3	66.00
339269	1.14	2.82	red/red	3	66.00



33 9262

339270	1.3	2.98	grey/grey	3	66.00
339271	1.42	3.10	yellow/yellow	3	66.00
339272	1.52	3.20	yellow/blue	3	66.00
339273	1.65	3.33	blue/blue	3	66.00
339274	1.85	3.53	green/green	3	66.00
339275	2.06	3.74	violet/violet	3	66.00
339276	2.29	3.97	violet/black	3	66.00
339277	2.54	4.22	violet/orange	3	66.00
339278	2.79	4.67	violet/white	3	66.00

## THOMAFLUID® EPDM / PP Heavy-Duty Pressure Chemical Tubing Type: THOMACHEM DRT High-Pressure

### Product specification:

- Conveying and pressure tubing for continuous operation, with fabric insert
- High abrasion resistance
- Heat-sealing and bonding properties
- Highest chemical resistance to most organic and inorganic media
- Good temperature resistance
- Repeatedly autoclavable
- Good cold resistance
- Resistance to ozone, aging and weather
- Extremely low permeability to gas
- Physiologically safe, free from pyrogens, non-toxic
- Free from extractable constituents

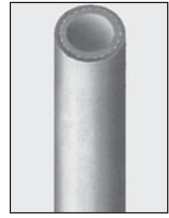
### Technical specification:

- Material: compound of EPDM and PP, as well as stabilizing additives; EPDM (ethylene-propylene-diene rubber); PP (polypropylene)

- Colour: yellowish
- Shore hardness A: 73° (DIN 53505)
- Temperature range: -50 °C to +140 °C
- Embrittlement temperature: -75 °C
- Insert: polyester braiding as pressure support
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)
- Density: 0.97 g/cm<sup>3</sup> (DIN 53479 A)
- Elongation at break: 400 % (DIN 53504-S1)
- Sterilization: at +135 °C
- Regulations: meets the recommendations of the BfR as well as the FDA and USP guidelines



19 0821



19 0821

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
190821	3.0	8.0	60	5	93.00
190831	3.0	8.0	60	15	236.00
190841	4.0	9.0	60	5	113.00
190851	4.0	9.0	60	15	254.00
190861	5.0	10.0	60	5	121.00
190871	5.0	10.0	60	15	294.00
190881	6.0	11.5	60	5	141.00
190891	6.0	11.5	60	15	335.00
190901	6.0	12.0	60	5	156.00
190911	6.0	12.0	60	15	376.00
190921	6.0	12.5	60	5	162.00



19 1051 (voir page 81)



19 1051 (voir page 81)

190931	6.0	12.5	60	15	381.00
190941	7.0	13.0	60	5	162.00
190951	7.0	13.0	60	15	381.00
190961	8.0	14.5	60	5	190.00
190971	8.0	14.5	60	15	443.00
190981	9.5	16.0	60	5	218.00
190991	9.5	16.0	60	15	504.00
191001	10.0	18.0	40	5	218.00
191011	10.0	18.0	40	15	504.00
191021	12.0	19.0	40	5	218.00
191031	12.0	19.0	40	15	504.00
191041	12.0	20.0	40	5	228.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EPDM / PP Heavy-Duty Pressure Chemical Tubing**  
**Type: THOMACHEM DRT High-Pressure**

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
	mm	mm			
191051	12.0	20.0	40	15	535.00
191061	12.5	20.5	40	5	238.00
191071	12.5	20.5	40	15	553.00
191081	14.0	23.0	40	5	300.00
191091	14.0	23.0	40	15	698.00
191101	15.0	24.0	40	10	635.00
191111	15.0	24.0	40	25	1225.00
191121	16.0	25.4	40	10	711.00
191131	16.0	25.4	40	25	1378.00
191141	18.0	29.5	40	10	980.00
191151	18.0	29.5	40	25	1908.00
191161	19.0	30.5	40	10	1021.00
191171	19.0	30.5	40	25	1982.00
191181	20.0	31.5	40	10	1059.00
191191	20.0	31.5	40	25	2058.00
191201	22.0	33.5	40	10	1151.00
191211	22.0	33.5	40	25	2237.00
191221	24.0	35.5	40	10	1225.00
191231	24.0	35.5	40	25	3421.00

<sup>1</sup> at +20 °C

- Optionally, special connecting pieces for coupling of heat exchanger tubes of equal dimensions (Cat. No. 43906 to 43908).
- Usable for water, steam, cooling brine, lower and higher alcohols (such as methanol, ethanol, and glycols) as well as for motor oils. Not usable for halogenated and aromatic hydrocarbons.

**Technical specification:**

- Material: EPDM
- Colour: black
- Shore hardness A: 70° ± 5° (DIN 53505)
- Temperature range: -40 °C to +120 °C
- Permanent operating pressure: 0.4 bar

Cat. No.	Material	Width of bottom mm	Colour	Length m	Price EURO
93169	EPDM	8	black	6	113.00
93170	EPDM	17	black	6	167.00
43902	EPDM	30	black	6	266.00

**THOMAFLUID® EPDM Corrugated Bellows Tubing Component**  
**Type: THOMAPLAST® CHAP 5124**
**Product specification:**

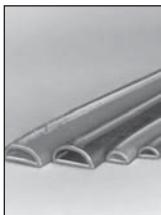
- Flexible corrugated bellows component without insert
- Very good resistance to weather
- Good resistance to aging, heat, and cold
- Resistant to hot water and antifreeze agents
- Good resistance to many alkalis, acids, and polar solvents, except to mineral oils

**Technical specification:**

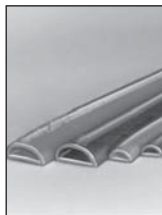
- Material: EPDM (ethylene-propylene-diene rubber)
- Temperature range: -30 °C to +130 °C
- Max. operating pressure: 2 bar at +20 °C; 1.2 bar at +130 °C

**THOMAFLUID® EPDM Tubing**
**THOMAFLUID® Heat Exchanger EPDM Profile Tube**  
**Type: Calorex® ISD 9700 CHAP**
**Application areas:**

- Cooling, heating, and warming of reaction flasks, chromatography columns and troughs, cultivation vessels, measuring set-ups.



93 169



93 169



49 804



49 804

**Product specification:**

- Elastic, thermoconductive special tube with optimized circular segment profile, made either of colour-coded silicone or EPDM (ethylene-propylene-terpolymer rubber) for winding around all kind of equipment, with connecting pieces fitting to the tubing connection of thermostates and other thermomedia conveying systems. Pressure- and temperature loadable, high thermal conductivity due to special polymer formulations and large effective contact surfaces.
- Width of contact surface (width of bottom) alternatively 8, 17 or 30 mm, length 6 m each.

Cat. No.	I. D. mm	Max. sleeve stretching mm	Length of end fitting mm	O. D. mm	Bending radius mm	Length m	Price EURO
49804	20.0	25	25	40	70	1	82.00
49805	25.0	31	25	45	85	1	95.00
49806	31.5	36	30	53	105	1	118.00
49807	33.5	38	25	52	110	1	123.00
49808	37.0	44	30	58	115	1	141.00
49809	44.0	48	30	65	120	1	167.00
49810	48.0	55	30	73	125	1	177.00

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® EPDM Chemical Tubing Type: RCT® THOMATECH DIGK

#### Application areas:

- Chemical engineering
- Plant construction
- Process technology
- Mechanical engineering

#### Product specification:

- Extremely elastic rubber compound
- Best resistance to many dilute alkalis, acids, and polar solvents, except to mineral oils
- Very good resistance to weather
- Good resistance to aging, heat, and cold
- Chemical tubing resistant to hot water and antifreeze agents

#### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: black
- Shore hardness A:  $60^\circ \pm 5^\circ$  (DIN 53505)
- Temperature range:  $-40^\circ\text{C}$  to  $+120^\circ\text{C}$
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
330122	3.0	7.0	2.0	5	48.00
330123	3.0	7.0	2.0	15	116.00
330124	4.0	7.0	1.5	5	44.00
330125	4.0	7.0	1.5	15	108.00
330126	4.0	8.0	2.0	5	54.00
330127	4.0	8.0	2.0	15	132.00
330128	5.0	8.0	1.5	5	48.00
330129	5.0	8.0	1.5	15	118.00
330130	6.0	9.0	1.5	5	58.00
330131	6.0	9.0	1.5	15	134.00
330132	6.0	10.0	2.0	5	68.00
330133	6.0	10.0	2.0	15	162.00
330134	7.0	11.0	2.0	5	70.00
330135	7.0	11.0	2.0	15	164.00
330136	8.0	12.0	2.0	5	78.00
330137	8.0	12.0	2.0	15	188.00
330138	10.0	14.0	2.0	5	96.00
330139	10.0	14.0	2.0	15	232.00
330140	12.0	16.0	2.0	5	112.00
330141	12.0	16.0	2.0	15	268.00

### THOMAFLUID® EPDM Industrial Tubing Type: THOMAPLAST® CHAP 5124

#### Application areas:

- Chemical industry
- Vehicle construction
- Industrial construction
- Process engineering

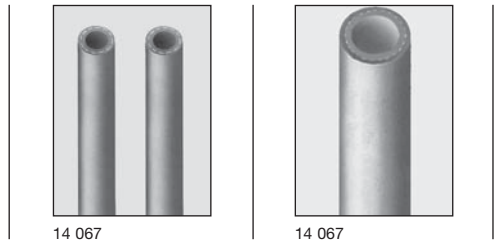
#### Product specification:

- Pressure tubing with elastic properties
- Industrial tubing resistant to hot water and antifreeze agents

- Good resistance to many alkalis, acids, and polar solvents, except to mineral oils
- Very good resistance to weather
- Good resistance to aging, cold, and heat

#### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: black
- Temperature range:  $-30^\circ\text{C}$  to  $+110^\circ\text{C}$
- Insert: synthetic fabric
- Design: inside and outside smooth (with textile imprint)



Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
14067	7.9	14.7	10	5	59.00
14068	7.9	14.7	10	10	100.00
14069	9.5	16.3	10	5	67.00
14070	9.5	16.3	10	10	113.00
49424	12.0	18.0	15	5	100.00
49425	12.0	18.0	15	10	169.00
14071	12.7	19.9	10	5	82.00
14072	12.7	19.9	10	10	139.00
49428	14.0	20.0	10	5	141.00
49429	14.0	20.0	10	10	231.00
49430	15.0	21.0	10	5	126.00
49431	15.0	21.0	10	10	210.00
14073	15.9	23.1	10	5	126.00
14074	15.9	23.1	10	10	210.00
49434	17.0	24.0	10	5	139.00
49435	17.0	24.0	10	10	220.00
49436	18.0	24.0	10	5	141.00
49437	18.0	24.0	10	10	236.00
49438	19.0	27.0	10	5	133.00
49439	19.0	27.0	10	10	213.00
49440	20.0	26.0	10	5	149.00
49441	20.0	26.0	10	10	246.00
49442	22.0	29.0	10	5	162.00
49443	22.0	29.0	10	10	261.00
14075	25.4	33.6	10	5	162.00
14076	25.4	33.6	10	10	261.00
14077	28.0	35.0	8	5	159.00
14078	28.0	35.0	8	10	266.00
49446	30.0	38.0	6	5	167.00
49447	30.0	38.0	6	10	277.00
14079	32.0	40.0	6	5	172.00
14080	32.0	40.0	6	10	287.00
49448	35.0	43.0	6	5	185.00
49449	35.0	43.0	6	10	312.00
14081	38.0	46.0	6	5	192.00
14082	38.0	46.0	6	10	320.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EPDM Industrial Tubing**  
**Type: THOMAPLAST® CHAP 5124**

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	bar	m	EURO
14083	40.0	50.0	5	5	225.00
14084	40.0	50.0	5	10	376.00
14085	42.0	52.0	5	5	248.00
14086	42.0	52.0	5	10	412.00
49450	45.0	55.0	5	5	264.00
49451	45.0	55.0	5	10	438.00
14087	48.0	58.0	5	5	274.00
14088	48.0	58.0	5	10	456.00
49452	50.0	60.0	4	5	279.00
49453	50.0	60.0	4	10	463.00

- Colour: black
- Temperature range: -30 °C to +100 °C
- Inserts: two rayon fabric inserts
- Design: inside and outside smooth, with textile imprint and green marker strip

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
12527	10	17	20	80	5	131.00
12528	10	17	20	80	10	223.00
12529	13	21	20	100	5	141.00
12530	13	21	20	100	10	233.00
12531	16	24	20	130	5	146.00
12532	16	24	20	130	10	246.00



12 461



12 461



12 527



12 527

12461	55.0	65.0	4	3	162.00
12462	55.0	65.0	4	6	261.00
12463	60.0	70.0	3	3	172.00
12464	60.0	70.0	3	6	282.00
12465	65.0	75.0	3	3	185.00
12466	65.0	75.0	3	6	300.00
12467	70.0	80.0	3	1	75.00
12468	70.0	80.0	3	3	174.00
12469	75.0	85.0	3	1	80.00
12470	75.0	85.0	3	3	187.00
12471	80.0	92.0	3	1	92.00
12472	80.0	92.0	3	3	225.00
12473	90.0	102.0	3	1	100.00
12474	90.0	102.0	3	3	233.00
12475	100.0	112.0	3	1	110.00
12476	100.0	112.0	3	3	269.00
12477	110.0	122.0	3	1	126.00
12478	110.0	122.0	3	3	305.00
12479	120.0	132.0	3	1	139.00
12480	120.0	132.0	3	3	341.00

12533	19	28	20	160	5	174.00
12534	19	28	20	160	10	289.00
12535	22	31	20	200	5	202.00
12536	22	31	20	200	10	335.00
12537	25	35	20	230	1	49.00
12538	25	35	20	230	3	118.00
12539	30	41	20	250	1	54.00
12540	30	41	20	250	3	133.00
12541	35	46	16	300	1	64.00
12542	35	46	16	300	3	154.00
12543	40	52	13	350	1	72.00
12544	40	52	13	350	3	172.00
12545	45	57	12	400	1	85.00
12546	45	57	12	400	3	202.00

<sup>1</sup> at +20 °C<sup>1</sup> at +20 °C
**THOMAFLUID® EPDM Tubing for Chemical Engineering**  
**Type: THOMAPLAST® CHAP 5121**
**Product specification:**

- Special tubing for chemical engineering
- Good resistance to many alkalis, acids, and polar solvents, except to mineral oils
- Very good mechanical properties
- Very good resistance to aging, weather, and ozone

**Technical specification:**

- Material: EPDM (ethylene-propylene-diene rubber)

**THOMAFLUID® EPDM High-Temperature Pressure Tubing for Dairy and Food**  
**Type: THOMAPLAST® CHAP 5132**
**Product specification:**

- Evaporating tubing for dairies
- Cleaning tubing for the food processing industry
- Usable for highest temperatures
- High resistance to aging, weather, and ozone
- Good resistance to many alkalis, acids, and polar solvents, except to mineral oils

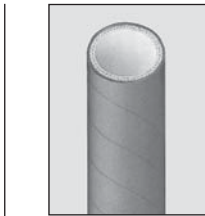
**Technical specification:**

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: inside light-coloured, outside blue-coloured
- Temperature range: -30 °C to +164 °C

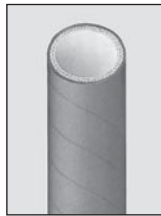
## TUBING TECHNOLOGY-ELASTOMERS

- Inserts: two polyester inserts
- Design: inside and outside smooth (with textile imprint)

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12435	10	20	6	60	3	98.00
12436	10	20	6	60	6	162.00
12437	13	23	6	80	3	105.00
12438	13	23	6	80	6	172.00
12439	16	26	6	100	3	131.00
12440	16	26	6	100	6	208.00
12441	19	31	6	120	3	139.00
12442	19	31	6	120	6	223.00
12443	25	39	6	150	3	167.00
12444	25	39	6	150	6	274.00



12 435



12 436

12445	38	52	6	230	1	80.00
12446	38	52	6	230	3	190.00
12447	50	66	6	400	1	90.00
12448	50	66	6	400	3	218.00

<sup>1</sup> at +20 °C

## THOMAFLUID® EPDM Spray Painting Tubing Type: THOMAPLAST® CHAP 5143

### Product specification:

- Flexible, light-weighted pressure tubing
- Good resistance to abrasion
- Good mechanical material properties
- As spray painting tubing predestined for nitrocellulose, acrylic, epoxy, and PUR lacquers, esters, ketones, and aromatics

### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: inside light, outside olive
- Temperature range: -20 °C to +90 °C
- Inserts: two synthetic fabrics
- Design: inside and outside smooth (with longitudinal grooves)
- Marking: six orange longitudinal stripes

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12770	9	16	10	60	5	136.00
12771	9	16	10	60	10	251.00
12772	9	16	10	60	15	320.00

<sup>1</sup> at +20 °C

## THOMAFLUID® EPDM Double-Wall Jacket Compressed Air / Brake Tubing Type: THOMAPLAST® CHAP PK 4597

### Product specification:

- Compressed air tubing for flexible connection e.g. to trailer or spring loaded accumulator.

### Technical specification:

- Liner: EPDM (ethylene-propylene-diene rubber)
- Jacket: EPDM (ethylene-propylene-diene rubber)
- Colour: black
- Inserts: PVAA braiding
- Temperature range: -40 °C to +70 °C
- Marking: DIN 74310, stamped



33 3941



33 3965

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
333941	11	18	10	70	5	70.00
333942	11	18	10	70	10	118.00
333943	13	25	10	100	5	80.00
333944	13	25	10	100	10	134.00
333945	15*	25	10	120	5	86.00
333946	15*	25	10	120	10	146.00

<sup>1</sup> at +20 °C

## THOMAFLUID® EPDM Twin Gas Welding Tubing Type: THOMAPLAST® CHAP PK 4797

### Product specification:

- Robust twin gas welding tubing for welding and cutting processes.

### Technical specification:

- Liner: EPDM (ethylene-propylene-diene rubber)
- Jacket: EPDM (ethylene-propylene-diene rubber)
- Colour: blue / red (depending on gas type)
- Design: inside and outside smooth
- Temperature range: -25 °C to +75 °C
- Max. operating pressure: 20 bar at +20 °C
- Tubing coding: blue tubing line for oxygen; red tubing line for combustible gases, but not for liquid gases
- Regulations: guideline of the SVS (Swiss)



## TUBING TECHNOLOGY-ELASTOMERS

Association for Welding Technology)  
as well as ISO 3821

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Price EURO
333965	6.3	13	20	5	126.00
333966	6.3	13	20	10	214.00
333967	8.0	15	20	5	144.00
333968	8.0	15	20	10	242.00

<sup>1</sup> at +20 °C

### THOMAFLUID® EPDM Antista Chemical Suction and Vacuum Tubing

Type: THOMAPLAST® CHAP ESD 513-06

#### Product specification:

- Robust suction and vacuum tubing
- Antistatic rubber quality
- Chemical tubing resistant to hot water and antifreeze agents
- Best resistance to acids, alkalis and polar solvents, except to mineral oils
- Very good resistance to weather
- Resistance to aging, heat and cold

#### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: black



12 399



12 399

- Shore hardness A: 70° ± 5°
- Temperature range: -35 °C to +95 °C, for a short time +120 °C
- Inserts: polyester braidings, two stranded copper wires, one steel wire spiral
- Vacuum strength (at 20 °C): 99.9 %
- Extra equipment: antistatic rubber quality (inside and outside), for removal of occurring electrostatic charge, fitted with internal spiral

### THOMAFLUID® EPDM Steam and Hot Water Tubing

Type: THOMAPLAST® CHAP 5136

#### Product specification:

- High-temperature tubing for hot water and steam
- Good mechanical properties
- Best resistance to aging, weather, and ozone
- Good resistance to many alkalis, acids, and polar solvents, except to mineral oils

#### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: black
- Inserts: two steel wire braidings
- Temperature range: -40 °C to +100 °C
- Saturated steam: +210 °C
- Design: inside and outside smooth (with textile imprint)
- Marking: red longitudinal stripe

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
49292	13	25	18	130	1	69.00
49293	13	25	18	130	3	167.00
49460	16	28	18	160	1	87.00
49461	16	28	18	160	3	208.00



49 292



49 292

12399	19	33	18	190	1	59.00
12400	19	33	18	190	3	141.00
12401	25	40	18	250	1	67.00
12402	25	40	18	250	3	162.00
12403	32	48	18	320	1	90.00
12404	32	48	18	320	3	215.00
12405	38	54	18	380	1	121.00
12406	38	54	18	380	3	294.00
12407	50	68	18	500	1	162.00
12408	50	68	18	500	3	392.00

<sup>1</sup> at +20 °C

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
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33 3693



33 3693

333693	19	31	16	125	1	132.00
333694	19	31	16	125	3	276.00
333695	19	31	16	125	5	320.00
333696	25	37	16	150	1	152.00
333697	25	37	16	150	3	312.00
333698	25	37	16	150	5	372.00
333699	32	44	16	175	1	170.00
333700	32	44	16	175	3	352.00
333701	32	44	16	175	5	416.00
333702	50	66	16	275	1	262.00
333703	50	66	16	275	3	544.00
333704	50	66	16	275	5	646.00

<sup>1</sup> at +20 °C

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® EPDM Antista Chemical Suction and Vacuum Tubing Type: THOMAPLAST® CHAP ESD 514-06

#### Product specification:

- Robust suction and vacuum tubing
- Antistatic rubber quality
- Chemical tubing resistant to hot water and antifreeze agents
- Best resistance to acids, alkalis and polar solvents, except to mineral oils
- Very good resistance to weather
- Resistance to aging, heat and cold

#### Technical specification:

- Material: EPDM (ethylene-propylene-diene rubber)
- Colour: black
- Shore hardness A: 70° ± 5°
- Temperature range: -35 °C to +95 °C, for a short time +120 °C
- Inserts: polyester braidings, two stranded copper wires, one steel wire spiral
- Vacuum strength (at 20 °C): 99.9 %
- Extra equipment: antistatic rubber quality (inside and outside), for removal of occurring electrostatic charge, fitted with internal spiral

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	bar	mm	m	EURO
333705	19	31	16	150	1	170.00
333706	19	31	16	150	3	354.00
333707	19	31	16	150	5	420.00
333708	32	44	16	180	1	182.00
333709	32	44	16	180	3	396.00
333710	32	44	16	180	5	494.00
333711	38	51	16	230	1	194.00
333712	38	51	16	230	3	436.00
333713	38	51	16	230	5	530.00
333714	50	66	16	275	1	278.00
333715	50	66	16	275	3	578.00
333716	50	66	16	275	5	684.00

<sup>1</sup> at +20 °C

### THOMAFLUID® EPDM High Pressure Double-Wall Jacket Chemical Tubing with Steel Wire Braiding as Insert Type: THOMAPLAST® CHAP 95594

#### Product specification:

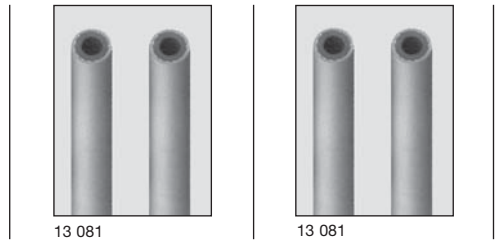
- Special high-pressure tubing for operating technology
- Special tubing for high-pressure cleaning equipment working with hot water and steam
- Good elastic behaviour
- Good resistance to aging, cold, and heat
- Good resistance to abrasion, highly flame-resistant
- Liner resistant to hot water and hot steam, glycol brake fluids, many alkalis and acids, as well as polar solvents

#### Technical specification:

- Liner: EPDM (ethylene-propylene-diene rubber)
- Jacket: CR (chloroprene rubber)
- Colour: black
- Insert: one steel wire braiding
- Temperature range: -40 °C to +155 °C
- Bursting pressure: approx. 4fold dynamic operating pressure

Cat. No.	NW	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mm	bar	mm	m	EURO
13081	8	8.0	15.5	210	115	5	162.00
13082	8	8.0	15.5	210	115	10	297.00

<sup>1</sup> at +20 °C



### THOMAFLUID® EPDM High Pressure Double-Wall Jacket Chemical Tubing with Steel Wire Braidings Type: THOMAPLAST® CHAP 95594

#### Product specification:

- Special high-pressure tubing for operating technology
- Special tubing for high-pressure cleaning equipment working with hot water and steam
- Usable for very high operating pressures at high temperatures
- Good elastic behaviour
- Good resistance to aging, cold, and heat
- Good resistance to abrasion
- Highly flame-resistant
- Liner resistant to hot water and hot steam, glycol brake fluids, many alkalis and acids, as well as polar solvents

#### Technical specification:

- Liner: EPDM (ethylene-propylene-diene rubber)
- Jacket: CR (chloroprene rubber)
- Colour: black
- Temperature range: -40 °C to +155 °C
- Inserts: two steel wire braidings
- Bursting pressure: approx. 4fold dynamic operating pressure

Cat. No.	NW	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mm	bar	mm	m	EURO
13083	8	8.0	16.5	310	115	3	177.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® EPDM High Pressure Double-Wall Jacket Chemical Tubing with Steel Wire Braiddings**  
**Type: THOMAPLAST® CHAP 95594**

Cat. No.	NW	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mm	bar	mm	m	EURO
13084	8	8.0	16.5	310	115	5	190.00
13085	10	9.6	19.5	310	130	3	136.00
13086	10	9.6	19.5	310	130	5	202.00

<sup>1</sup> at +20 °C

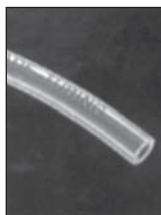
13 083



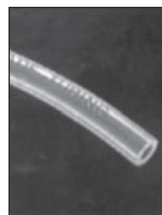
13 083

**THOMAFLUID® PUR Chemical Tubing for Analytic Technology**

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
28309	1.6	3.2	green	15	70.00
28310	1.6	3.2	blue	5	27.00
28311	1.6	3.2	blue	15	70.00
28312	1.6	3.2	yellow	5	27.00
28313	1.6	3.2	yellow	15	70.00
339659	2.0	3.5	natural	5	35.00
339660	2.0	3.5	natural	15	85.00
28314	2.0	4.0	natural	5	38.00
28315	2.0	4.0	natural	15	100.00
28316	2.4	4.0	natural	5	38.00



28 300



28 300

**THOMAFLUID® PUR Tubing**
**THOMAFLUID® PUR Chemical Tubing for Analytic Technology**
**Product specification:**

- Elastic behaviour comparable to soft rubber, thus outstanding elasticity
- Very high mechanical stability, tearing-resistant, even in long-term tests
- High tear propagation resistance
- Best resistance to aging, weather, ozone, and light
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: natural, black, white, red, green, blue, yellow
- Shore hardness A: 85° ± 5°
- Temperature range: -35 °C to +80 °C, for a short time +120 °C

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
28300	1.6	3.2	natural	5	27.00
28301	1.6	3.2	natural	15	70.00
28302	1.6	3.2	black	5	27.00
28303	1.6	3.2	black	15	70.00
28304	1.6	3.2	white	5	27.00
28305	1.6	3.2	white	15	70.00
28306	1.6	3.2	red	5	27.00
28307	1.6	3.2	red	15	70.00
28308	1.6	3.2	green	5	27.00

28317	2.4	4.0	natural	15	100.00
28318	3.2	4.8	natural	5	60.00
28319	3.2	4.8	natural	15	143.00
28320	3.2	6.4	natural	5	60.00
28321	3.2	6.4	natural	15	143.00
28322	3.2	6.4	black	5	60.00
28323	3.2	6.4	black	15	143.00
28324	3.2	6.4	white	5	60.00
28325	3.2	6.4	white	15	143.00
28326	3.2	6.4	red	5	60.00
28327	3.2	6.4	red	15	143.00
28328	3.2	6.4	yellow	5	60.00
28329	3.2	6.4	yellow	15	143.00
28330	3.2	6.4	blue	5	60.00
28331	3.2	6.4	blue	15	143.00
28332	3.2	6.4	yellow	5	60.00
28333	3.2	6.4	yellow	15	143.00
28334	3.7	6.4	natural	5	64.00
28335	3.7	6.4	natural	15	165.00
28336	4.0	7.2	natural	5	64.00
28337	4.0	7.2	natural	15	165.00
28338	4.3	6.4	natural	5	64.00
28339	4.3	6.4	natural	15	165.00
28340	4.8	6.4	natural	5	64.00
28341	4.8	6.4	natural	15	165.00
28342	4.8	8.0	natural	5	81.00
28343	4.8	8.0	natural	15	193.00
28344	6.4	8.0	natural	5	64.00
28345	6.4	8.0	natural	15	165.00
28346	6.4	9.6	natural	5	95.00
28347	6.4	9.6	natural	15	209.00
28348	8.0	11.2	natural	5	102.00
28349	8.0	11.2	natural	15	214.00
28350	9.6	12.7	natural	5	102.00
28351	9.6	12.7	natural	15	214.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Chem Flexible Industrial and Chemical Tubing**  
**Type: THOMAPLAST® NOVA 971 High-Flexible**
**Application areas:**

- Process technology and chemical engineering
- Measurement and control technology
- Mechanical engineering
- Space technology
- Use as protective, conveying and air tubing
- Low-pressure pneumatics, as well as vacuum applications

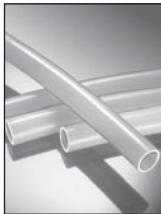
**Product specification:**

- Highly abrasion- and wear-resistant
- Very good mechanical stability, even in long-term tests
- Elastic behaviour comparable to soft rubber
- Very good flexibility in cold, even at -40 °C
- Small bending radius, especially resistant to kinking and robust
- No embrittlement, as free of plasticizers
- Good damping behaviour
- Low remaining deformation
- Best chemical resistance to most oils, fats and petrols, aliphatic hydrocarbons and ozone
- UV-resistant

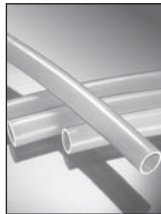
**Technical specification:**

- Material: PUR (polyurethane)
- Colour: natural
- Shore hardness A: 70° (DIN 53505)
- Temperature range: -40 °C to +85 °C, for a short time +120 °C
- Density: 1.22 g/cm<sup>3</sup> (DIN 53479)
- Abrasion: 50 mm<sup>3</sup> (DIN 53516)

Cat. No.	I. D.	O. D.	Tolerance	Bending radius	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	mm	mm	bar	m	EURO



33 0071



33 0071

330071	2.0	4.0	+/- 0.10	20	23	5	114.00
330072	2.0	4.0	+/- 0.10	20	23	15	286.00
330073	4.0	6.0	+/- 0.10	30	14	5	116.00
330074	4.0	6.0	+/- 0.10	30	14	15	292.00
330075	6.0	8.0	+/- 0.10	35	10	5	120.00
330076	6.0	8.0	+/- 0.10	35	10	15	298.00
330077	8.0	10.0	+/- 0.10	50	7	5	122.00
330078	8.0	10.0	+/- 0.10	50	7	15	303.00
330079	8.0	12.0	+/- 0.15	40	14	5	136.00
330080	8.0	12.0	+/- 0.15	40	14	15	344.00

**THOMAFLUID® PUR High-Chem Flexible Industrial and Chemical Tubing**  
**Type: THOMAPLAST® NOVA 971 High-Flexible**

Cat. No.	I. D.	O. D.	Tolerance	Bending radius	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	mm	mm	bar	m	EURO
330081	10.0	14.0	+/- 0.15	45	6	5	144.00
330082	10.0	14.0	+/- 0.15	45	6	15	360.00
330083	10.0	16.0	+/- 0.15	40	8.5	5	168.00
330084	10.0	16.0	+/- 0.15	40	8.5	15	418.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PUR High-Tech Chemical and Compressed-Air Tubing**  
**Type: THOMAPLAST® LCK 113**
**Application areas:**

- Flexible compressed-air supply on pneumatic tools and assembly lines
- Pneumatics, automation, automobile industry
- Measurement and control technology, chemical engineering, apparatus engineering, mechanical engineering

**Product specification:**

- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Also at extreme deformation the tubing returns to its original shape
- Enormous abrasion resistance
- High pressure resistance
- Plasticizer- and heavy metal-free
- Absolutely silicone-free and recyclable
- Resistant to aging, weather and ozone
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosene and antifreeze agents
- UV-resistant
- Dimension and hardness grade specially adjusted to "THOMAFLUID® tubing squeezing screw joints for the pneumatics, type: RCT® LCK 112/113".
- Flexible chemical and compressed-air tubing

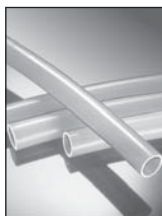
**Technical specification:**

- Material: PUR (polyurethane)
- Colour: blue / yellow / red
- Shore hardness A: 95° (DIN 53505)
- Temperature range: -20 °C to +85 °C
- Max. operating pressure: 10 bar at +20 °C

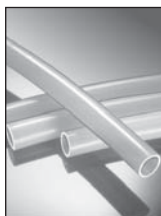
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Tech  
Chemical and Compressed-Air Tubing  
Type: THOMAPLAST® LCK 113**

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Colour	Length m	Price EURO
331016	4.0	6.0	16	blue	5	40.00
331017	4.0	6.0	16	blue	15	110.00
331018	4.0	6.0	16	yellow	5	40.00
331019	4.0	6.0	16	yellow	15	110.00
331020	4.0	6.0	16	red	5	40.00
331021	4.0	6.0	16	red	15	110.00
331022	5.0	8.0	24	blue	5	70.00
331023	5.0	8.0	24	blue	15	205.00



33 1016



33 1016

331024	5.0	8.0	24	yellow	5	70.00
331025	5.0	8.0	24	yellow	15	205.00
331026	5.0	8.0	24	red	5	70.00
331027	5.0	8.0	24	red	15	205.00
331028	6.5	10.0	30	blue	5	95.00
331029	6.5	10.0	30	blue	15	265.00
331030	6.5	10.0	30	yellow	5	95.00
331031	6.5	10.0	30	yellow	15	265.00
331032	6.5	10.0	30	red	5	95.00
331033	6.5	10.0	30	red	15	265.00
331034	8.0	12.0	36	blue	5	130.00
331035	8.0	12.0	36	blue	15	324.00
331036	8.0	12.0	36	yellow	5	130.00
331037	8.0	12.0	36	yellow	15	324.00
331038	8.0	12.0	36	red	5	130.00
331039	8.0	12.0	36	red	15	324.00
331040	9.0	13.0	38	blue	5	150.00
331041	9.0	13.0	38	blue	15	370.00
331042	9.0	13.0	38	yellow	5	150.00
331043	9.0	13.0	38	yellow	15	370.00
331044	9.0	13.0	38	red	5	150.00
331045	9.0	13.0	38	red	15	370.00
331046	11.0	16.0	48	blue	5	214.00
331047	11.0	16.0	48	blue	15	462.00
331048	11.0	16.0	48	yellow	5	214.00
331049	11.0	16.0	48	yellow	15	462.00
331050	11.0	16.0	48	red	5	214.00
331051	11.0	16.0	48	red	15	462.00
331052	13.0	19.0	56	blue	5	274.00
331053	13.0	19.0	56	blue	15	546.00
331054	13.0	19.0	56	yellow	5	274.00
331055	13.0	19.0	56	yellow	15	546.00
331056	13.0	19.0	56	red	5	274.00
331057	13.0	19.0	56	red	15	546.00

**THOMAFLUID® PUR Tubing for Mineral  
Oils  
Type: ORON C 210 A**
**Application areas:**

- Conveyance of oils, liquid fuels and lubricants in laboratories, pilot and industrial plants

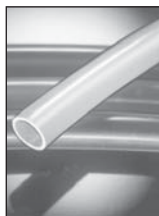
**Product specification:**

- Thick-walled, flexible and elastic chemical tubing, particularly for non-aqueous media, free of extractable constituents
- Extremely high resistance to abrasion, tearing, aging, and weather
- Chemically resistant to gasolines, bitumen, kerosine, aliphatic hydrocarbons, mineral oils, lubricants, for a short time also to aromatic hydrocarbons. Not usable for all halogenated solvents, water and aqueous solutions.
- UV-resistant

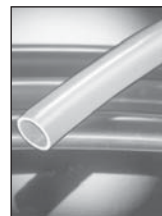
**Technical specification:**

- Material: PUR (polyurethane)
- Colour: yellowish, translucent
- Shore hardness A: 82°
- Temperature range: -40 °C to +85 °C
- Embrittlement temperature: -73 °C
- Stretchability: 550 %
- Abrasion resistance: not measurable (loss in mg/10<sup>3</sup> cycles)
- Tensile elasticity: 110 kg/cm<sup>2</sup> at 300 % tensile stress

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
45205	1.6	3.2	0.8	1	18.00
45206	1.6	3.2	0.8	3	49.00
45207	1.6	3.2	0.8	5	67.00
45208	3.2	6.4	1.6	1	41.00
45209	3.2	6.4	1.6	3	108.00
45210	3.2	6.4	1.6	5	149.00
45211	4.8	8.0	1.6	1	57.00
45212	4.8	8.0	1.6	3	146.00



45 205



45 205

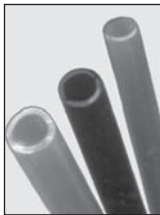
45213	4.8	8.0	1.6	5	202.00
45214	9.5	12.7	1.6	1	82.00
45215	9.5	12.7	1.6	3	213.00
45216	9.5	12.7	1.6	5	294.00
45217	12.7	17.5	2.4	1	123.00
45218	12.7	17.5	2.4	3	305.00
45219	12.7	17.5	2.4	5	412.00
45220	15.9	20.6	2.4	1	144.00
45221	15.9	20.6	2.4	3	346.00
45222	15.9	20.6	2.4	5	484.00

## TUBING TECHNOLOGY-ELASTOMERS

### THOMAFLUID® PUR Tubing for Mineral Oils

Type: ORON C 210 A

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Length m	Price EURO
45223	19.0	25.4	3.2	1	164.00
45224	19.0	25.4	3.2	3	376.00
45225	19.0	25.4	3.2	5	509.00
45229	6.4	9.6	1.6	1	67.00
45230	6.4	9.6	1.6	3	172.00
45231	6.4	9.6	1.6	5	241.00



47 196



47 196

### THOMAFLUID® Polyurethane Piping

Type: NODVOL® ELGEES PU 1025

#### Application areas:

- Flexible piping for conveyance of gaseous and aqueous media as well as mineral oils and hydrocarbons at 10-12 mm: +/- 0.15 mm, for hydraulic and pneumatic control systems.

#### Product specification:

- Metrically calibrated polyurethane piping, narrowly tolerated outside diameters at 4-8 mm: +/-0.1 mm, particularly for use with THOMAFLUID® quick-release pipe couplings, chemically resistant, not leachable, very flexible, well cold-bendable, pressure loadable, operating temperature range from -15 °C to +70 °C, black or blue coloured, delivered in practice-oriented lengths of 5 m and 25 m.
- UV-resistant

#### Technical specification:

- Material: PUR (polyurethane)
- Shore hardness D: 50°
- Tolerances: at 4-8 mm ± 0.1 mm;  
at 10-12 mm ± 0.15 mm

Cat. No.	Colour	O. D. mm	I. D. mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Max. operating pressure <sup>2</sup> bar	Max. operating pressure <sup>3</sup> bar	Length m	Price EURO
47196	black	4	2.5	10	10	6.5	5	5	16.00
47197	black	4	2.5	10	10	6.5	5	25	46.00
47198	black	5	3	13	13	7.5	5.5	5	23.00
47199	black	5	3	13	13	7.5	5.5	25	72.00
47200	black	6	4	15	9	6	4.5	5	29.00
47201	black	6	4	15	9	6	4.5	25	82.00

## THOMAFLUID®

### THOMAFLUID® Polyurethane Piping

Type: NODVOL® ELGEES PU 1025

Cat. No.	Colour	O. D. mm	I. D. mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Max. operating pressure <sup>2</sup> bar	Max. operating pressure <sup>3</sup> bar	Length m	Price EURO
47202	black	8	5.5	20	8	5.5	4	5	44.00
47203	black	8	5.5	20	8	5.5	4	25	131.00
47204	black	10	7	25	8	5.5	4	5	82.00
47205	black	10	7	25	8	5.5	4	25	243.00
47206	black	12	8	35	9	6	4.5	5	113.00
47207	black	12	8	35	9	6	4.5	25	333.00
47208	blue	4	2.5	10	10	6.5	5	5	16.00
47209	blue	4	2.5	10	10	6.5	5	25	46.00
47210	blue	5	3	13	11	7.5	5.5	5	23.00
47211	blue	5	3	13	11	7.5	5.5	25	72.00
47212	blue	6	4	15	9	6	4.5	5	29.00
47213	blue	6	4	15	9	6	4.5	25	82.00
47214	blue	8	5.5	20	8	5.5	4	5	44.00
47215	blue	8	5.5	20	8	5.5	4	25	131.00
47216	blue	10	7	25	8	5.5	4	5	82.00
47217	blue	10	7	25	8	5.5	4	25	243.00
47218	blue	12	8	35	9	6	4.5	5	113.00
47219	blue	12	8	35	9	6	4.5	25	333.00

1 at +20 °C    2 at +50 °C    3 at +70 °C

### THOMAFLUID® Polyurethane Safety Conveying Tubing

Type: THOMASAFE RS 4070

#### Application areas:

- Conveyance of neutral, liquid and gaseous media, such as cooling brine and other cooling fluids, media for hydraulic and pneumatic control systems, chemical solutions.
- For installations in chemical pilot and production plants, in experimental prototype construction, and for experimental set-ups in physics, chemistry, and technology.

#### Product specification:

- Light-weighted, non-combustible safety conveying tubing made of polyurethane (PUR), mechanically stable, elastic, kinking-resistant, dimensionally stable, robust to effects of light and ozone, resistant to gasoline, cyclohexane, diesel oil, isooctane, kerosene, and aqueous salt solutions. Working temperature range from -40 °C to +85 °C.
- Blue coloured, usual and practice-oriented tubing dimensions and lengths
- UV-resistant

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
47519	2.2	3.2	5	39.00
475191	2.2	3.2	15	100.00
47520	3.0	4.3	5	44.00
475201	3.0	4.3	15	110.00
47521	3.0	5.0	5	49.00
475211	3.0	5.0	15	126.00
47522	4.0	6.0	5	75.00
475221	4.0	6.0	15	156.00
47523	6.0	8.0	5	85.00
475231	6.0	8.0	15	169.00
47524	9.0	11.5	5	95.00
475241	9.0	11.5	15	182.00

## TUBING TECHNOLOGY-ELASTOMERS

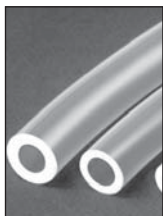
**THOMAFLUID® PUR High-Tech FDA  
Special Compound  
Type: THOMAPLAST® LED 245**
**Product specification:**

- Special compound with food approval
- Production according to FDA regulations
- Very good mechanical properties (stability)
- Tearing-resistant, even in long-term tests
- Outstanding flexibility
- Small bending radius, resistant to kinking and tearing
- Very good resistance to abrasion
- Good resistance to aging and weather
- Calibrated according to CETOP standard
- Resistant to hydrolysis and microbes
- UV-resistant

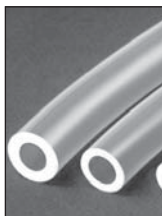
**Technical specification:**

- Material: PUR (polyurethane)
- Colour: crystal-clear
- Shore hardness D: 53° (DIN 53505)
- Temperature range: -35 °C to +60 °C
- Regulations: FDA § 177.1680, 175.105, 177.2600

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
302727	2.5	4.0	13	5	32.00
302728	2.5	4.0	13	15	88.00
302729	4.0	6.0	14	5	50.00
302730	4.0	6.0	14	15	138.00
302731	5.0	8.0	14	5	82.00
302732	5.0	8.0	14	15	208.00
3027331	6.0	8.0	10	5	85.00
3027341	6.0	8.0	10	15	215.00
302733	6.5	10.0	11	5	88.00
302734	6.5	10.0	11	15	234.00
3027351	8.0	10.0	10	5	106.00
3027361	8.0	10.0	10	15	286.00
302735	8.0	12.0	11	5	116.00
302736	8.0	12.0	11	15	306.00

<sup>1</sup> at +20 °C

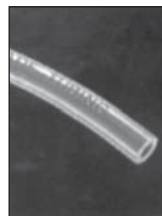
30 2727



30 2727



14 375



14 375

- Flexible also at -40 °C
- Smallest bending radius, especially resistant to kinking and tearing
- Very high resistance to abrasion
- Good resistance to aging and weather
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine, and aqueous salt solutions.
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: colourless-clear, blue, black, yellow, red, green
- Shore hardness A: 98° ± 5°
- Temperature range: -40 °C to +80 °C, for a short time +120 °C
- Max. operating pressure: 10 bar at +20 °C
- Bursting pressure: 30 bar at +20 °C

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Colour	Length m	Price EURO
14375	2.1	3	9	clear	5	23.00
14376	2.1	3	9	clear	15	67.00
14377	2.1	3	9	blue	5	23.00
14378	2.1	3	9	blue	15	67.00
14379	2.1	3	9	black	5	23.00
14380	2.1	3	9	black	15	67.00
14381	2.5	4	10	clear	5	26.00
14382	2.5	4	10	clear	15	69.00
14383	2.5	4	10	blue	5	26.00
14384	2.5	4	10	blue	15	69.00
14385	2.5	4	10	black	5	26.00
14386	2.5	4	10	black	15	69.00
14387	2.5	4	10	yellow	5	26.00
14388	2.5	4	10	yellow	15	69.00
14389	2.5	4	10	red	5	26.00
14390	2.5	4	10	red	15	69.00
14391	2.5	4	10	green	5	26.00
14392	2.5	4	10	green	15	69.00
14393	4.0	6	15	clear	5	39.00
14394	4.0	6	15	clear	15	108.00
14395	4.0	6	15	blue	5	39.00
14396	4.0	6	15	blue	15	108.00
14397	4.0	6	15	black	5	39.00

**THOMAFLUID® PUR High-Flexible  
Chemical Tubing (calibrated)  
Type: THOMAPLAST® LED PUN**
**Product specification:**

- Very high mechanical stability, tearing-resistant, even in long-term tests
- Very good elastic behaviour comparable to soft rubber, thus outstanding flexibility

14398	4.0	6	15	black	15	108.00
14399	4.0	6	15	yellow	5	39.00
14400	4.0	6	15	yellow	15	108.00
14401	4.0	6	15	red	5	39.00
14402	4.0	6	15	red	15	108.00
14403	4.0	6	15	green	5	39.00
14404	4.0	6	15	green	15	108.00
14405	5.0	8	23	clear	5	57.00
14406	5.0	8	23	clear	15	154.00
14407	5.0	8	23	blue	5	57.00
14408	5.0	8	23	blue	15	154.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Flexible  
Chemical Tubing (calibrated)  
Type: THOMAPLAST® LED PUN**

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Colour	Length m	Price EURO
14409	5.0	8	23	black	5	57.00
14410	5.0	8	23	black	15	154.00
14411	5.0	8	23	yellow	5	57.00
14412	5.0	8	23	yellow	15	154.00
14413	5.0	8	23	red	5	57.00
14414	5.0	8	23	red	15	154.00
14415	5.0	8	23	green	5	57.00
14416	5.0	8	23	green	15	154.00
339654	6.0	8	27	clear	5	48.00
339655	6.0	8	27	clear	15	126.00
14417	6.5	10	30	clear	5	85.00
14418	6.5	10	30	clear	15	231.00
14419	6.5	10	30	blue	5	85.00
14420	6.5	10	30	blue	15	231.00
14421	6.5	10	30	black	5	85.00
14422	6.5	10	30	black	15	231.00
14423	6.5	10	30	yellow	5	85.00
14424	6.5	10	30	yellow	15	231.00
14425	6.5	10	30	red	5	85.00
14426	6.5	10	30	red	15	231.00
14427	6.5	10	30	green	5	85.00
14428	6.5	10	30	green	15	231.00
14429	8.0	12	35	clear	5	98.00
14430	8.0	12	35	clear	15	254.00
14431	8.0	12	35	blue	5	98.00
14432	8.0	12	35	blue	15	254.00
14433	8.0	12	35	black	5	98.00
14434	8.0	12	35	black	15	254.00
14435	8.0	12	35	yellow	5	98.00
14436	8.0	12	35	yellow	15	254.00
14437	8.0	12	35	red	5	98.00
14438	8.0	12	35	red	15	254.00
14439	8.0	12	35	green	5	98.00
14440	8.0	12	35	green	15	254.00

**THOMAFLUID® PUR High-Chem Antista  
Industrial and Chemical Tubing (antistatic  
and calibrated)  
Type: THOMAPLAST® NOVA 981**
**Application areas:**

- Conveyance of solid matters which tend to adhere to the wall due to static charge
- Problem solution for powder coating plants
- Process technology and chemical engineering
- Mechanical engineering
- Measurement and control technology
- Low-pressure pneumatics, as well as vacuum applications

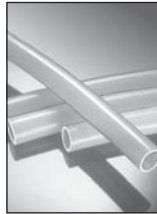
**Product specification:**

- Very high mechanical stability, even in long-term tests
- Very high wear resistance
- Highest abrasion resistance
- Elastic behaviour comparable to soft rubber
- Low temperature flexibility, even at -40 °C

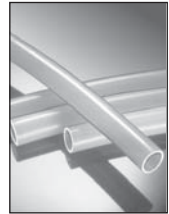
- Smallest bending radius, especially resistant to kinking and tearing
- No embrittlement, as free of plasticizers
- Good damping behaviour
- Good chemical resistance to most oils, fats and petrols, as well as aliphatic hydrocarbons and ozone
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: natural
- Shore hardness A: 85° (DIN 53505)
- Temperature range: -40 °C to +85 °C, for a short time +120 °C
- Surface resistance: < 10<sup>6</sup> Ohm
- Density: 1.22 g/cm<sup>3</sup> (DIN 53497)



33 0057



33 0057

- Abrasion: 50 mm<sup>3</sup> (DIN 53516)

Cat. No.	I. D. mm	O. D. mm	Tolerance mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
330057	2.0	4.0	+/- 0.10	20	23	5	116.00
330058	2.0	4.0	+/- 0.10	20	23	15	290.00
330059	4.0	6.0	+/- 0.10	30	14	5	118.00
330060	4.0	6.0	+/- 0.10	30	14	15	298.00
330061	6.0	8.0	+/- 0.10	35	10	5	122.00
330062	6.0	8.0	+/- 0.10	35	10	15	304.00
330063	8.0	10.0	+/- 0.10	50	7	5	124.00
330064	8.0	10.0	+/- 0.10	50	7	15	312.00
330065	8.0	12.0	+/- 0.15	40	14	5	142.00
330066	8.0	12.0	+/- 0.15	40	14	15	356.00
330067	10.0	14.0	+/- 0.15	45	6	5	150.00
330068	10.0	14.0	+/- 0.15	45	6	15	374.00
330069	10.0	16.0	+/- 0.15	40	8.5	5	176.00
330070	10.0	16.0	+/- 0.15	40	8.5	15	438.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PUR High-Tech Anti-  
Spark Safety Tubing  
Type: THOMAPLAST® LCK 111**
**Application areas:**

- Flexible compressed-air supply on pneumatic tools and assembly lines
- Pneumatics, automation, automobile industry
- Measurement and control technology, chemical engineering, apparatus engineering, mechanical engineering

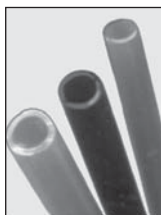
**Product specification:**

## TUBING TECHNOLOGY-ELASTOMERS

- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Also at extreme deformation the tubing returns to its original shape
- Enormous abrasion resistance
- High pressure resistance
- Plasticizer- and heavy metal-free
- Absolutely silicone-free and recyclable
- Fitted with type-related fittings and antikink device
- Exactly adjusted assortment of high-quality and reusable connections (fittings)
- Resistant to aging, weather and ozone



33 0965



33 0966

- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine and antifreeze agents
- UV-resistant
- Extremely resistant to flying sparks and welding spatter
- Fluorine-, halogen- and silicone-free, as well as free of lacquer wetting substances

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: black
- Shore hardness A: 95° (DIN 53505)
- Temperature range: -20 °C to +85 °C
- Max. operating pressure: 10 bar at +20 °C

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Colour	Length m	Price EURO
330965	6.0	10.0	23	black	5	128.00
330966	6.0	10.0	23	black	15	304.00
330967	8.0	13.0	31	black	5	212.00
330968	8.0	13.0	31	black	15	506.00

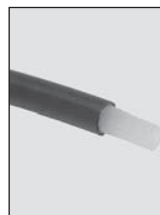
- Liner: Very good mechanical stability, tearing-resistant, even in long-term tests  
Best elastic behaviour, thus outstanding flexibility  
Favourable bending radius  
Very good abrasion resistance  
Good resistance to aging  
Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine, and aqueous salt solutions.

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: black
- Temperature range: -30 °C to +90 °C
- Max. operating pressure: 16 bar at +20 °C
- Regulations: UL 94 V0 to V2



30 2737



30 2737

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Length m	Price EURO
302737	4.0	8.0	15	5	113.00
302738	4.0	8.0	15	15	270.00
302739	6.0	10.0	20	5	133.00
302740	6.0	10.0	20	15	310.00

## THOMAFLUID® PUR High-Tech Double Lumen Chemical Tubing (calibrated)

### Type: THOMAPLAST® LED DUO

**Product specification:**

- Two tubes combined into one pair of tubes and sealed together
- Very good elastic behaviour, thus outstanding flexibility
- Flexible also at -40 °C
- Smallest bending radius, especially resistant to kinking and tearing
- Very good mechanical stability, tearing-resistant, even in long-term tests
- Very high resistance to abrasion
- Very good resistance to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine, and aqueous salt solutions.
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: blue/black
- Shore hardness A: 85° ± 5°
- Temperature range: -40 °C to +80 °C, for a short time +120 °C

## THOMAFLUID® PUR / PVC Double-Wall Jacket Tubing (resistant to welding spatter)

### Type: THOMAPLAST® LED 241

**Product specification:**

- Special tubing resistant to welding spatter
- Jacket: Hardly inflammable protective jacket, which has very good insulating properties and meets the regulations.

## TUBING TECHNOLOGY-ELASTOMERS

- Modification of tubing: double lumen tubing (pair of tubes)
- Tolerances:  
Outside Ø: 4-5 mm: up to +0.07 mm;  
6-10 mm: up to +0.10 mm
- Wall thickness:  
4-8 mm: ± 0.05 mm;  
10 mm: ± 0.1 mm

Cat. No.	I. D.	O. D.	Bending radius	Max. operating pressure <sup>1</sup>	Colour	Length	Price
	mm	mm	mm	bar		m	EURO
14456	2	4.0	12	18	blue/black	5	44.00
14457	2	4.0	12	18	blue/black	15	110.00
14458	3	4.3	14	10	blue/black	5	44.00
14459	3	4.3	14	10	blue/black	15	110.00
14460	3	5.0	12	18	blue/black	5	54.00
14461	3	5.0	12	18	blue/black	15	135.00



14 456



14 456

14462	4	6.0	20	13	blue/black	5	69.00
14463	4	6.0	20	13	blue/black	15	185.00
14464	6	8.0	30	12	blue/black	5	87.00
14465	6	8.0	30	12	blue/black	15	233.00
14466	8	10.0	60	8	blue/black	5	110.00
14467	8	10.0	60	8	blue/black	15	277.00

<sup>1</sup> at +20 °C

### THOMAFLUID® PUR High-Tech Triple Lumen Chemical Tubing (calibrated) Type: THOMAPLAST® LED TRIO

#### Product specification:

- Three tubes combined into a tube unit and sealed together, colours: blue, black and natural.
- High elasticity and flexibility
- Flexible also at -40 °C
- Smallest bending radius, resistant to kinking and tearing
- Very good mechanical stability, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isoocctane, kerosine.
- UV-resistant

#### Technical specification:

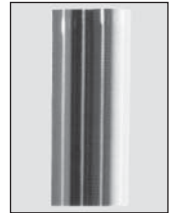
- Material: PUR (polyurethane)
- Colour: blue/black/natural
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -40 °C to +80 °C, for a short time +120 °C
- Modification of tubing: triple lumen tubing

### THOMAFLUID® PUR High-Tech Triple Lumen Chemical Tubing (calibrated) Type: THOMAPLAST® LED TRIO

Cat. No.	I. D.	O. D.	Bending radius	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	mm	bar	m	EURO
302741	2.5	4.0	12	18	5	62.00
302742	2.5	4.0	12	18	15	154.00
302743	4.0	6.0	20	13	5	102.00
302744	4.0	6.0	20	13	15	248.00
302745	6.0	8.0	30	12	5	106.00
302746	6.0	8.0	30	12	15	262.00
302747	8.0	10.0	60	8	5	124.00



30 2741



30 2749

302748	8.0	10.0	60	8	15	298.00
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<sup>1</sup> at +20 °C

### THOMAFLUID® PUR High-Tech Quadruple Lumen Chemical Tubing (calibrated) Type: THOMAPLAST® LED QUATTRO

#### Product specification:

- Four tubes combined into a tube unit and sealed together, colours: blue, black, natural and green.
- High elasticity and flexibility
- Flexible also at -40 °C
- Smallest bending radius, resistant to kinking and tearing
- Very good mechanical stability, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isoocctane, kerosine.
- UV-resistant

#### Technical specification:

- Material: PUR (polyurethane)
- Colour: blue/black/natural/green
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -40 °C to +80 °C, for a short time +120 °C
- Modification of tubing: quadruple lumen tubing

Cat. No.	I. D.	O. D.	Bending radius	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	mm	bar	m	EURO
302749	2.5	4.0	12	18	5	88.00

## TUBING TECHNOLOGY-ELASTOMERS

THOMAFLUID® PUR High-Tech  
Quadruple Lumen Chemical Tubing  
(calibrated)

Type: THOMAPLAST® LED QUATTRO

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
302750	2.5	4.0	12	18	15	218.00
302751	4.0	6.0	20	13	5	128.00
302752	4.0	6.0	20	13	15	306.00
302753	6.0	8.0	30	12	5	134.00
302754	6.0	8.0	30	12	15	326.00

<sup>1</sup> at +20 °CTHOMAFLUID® PUR Spiral Chemical  
Tubing for Analytic Technology

## Product specification:

- Very good mechanical stability, tearing-resistant, even in long-term tests
- Very good elastic behaviour comparable to soft rubber, thus outstanding flexibility
- Flexible also at -40 °C
- Smallest bending radius, especially resistant to kinking and tearing
- Very high resistance to abrasion
- Good resistance to aging and weather
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine, and aqueous salt solutions.
- UV-resistant

## Technical specification:

- Material: PUR (polyurethane)
- Colour: natural/black/white/red/yellow
- Shore hardness A: 98° ± 5°
- Temperature range: -40 °C to +80 °C, for a short time



28 369



28 369

+120 °C

- Max. operating pressure: 10 bar at +20 °C
- Bursting pressure: 30 bar at +20 °C

Cat. No.	I. D. mm	O. D. mm	I. D. spiral mm	O. D. spiral mm	Colour	Length m	Price EURO
28369	1.6	3.2	14.0	19.0	natural	3	51.00
28370	1.6	3.2	14.0	19.0	black	3	51.00
28371	1.6	3.2	14.0	19.0	white	3	51.00

THOMAFLUID® PUR Spiral Chemical  
Tubing for Analytic Technology

Cat. No.	I. D. mm	O. D. mm	I. D. spiral mm	O. D. spiral mm	Colour	Length m	Price EURO
28372	1.6	3.2	14.0	19.0	red	3	51.00
28373	1.6	3.2	14.0	19.0	yellow	3	51.00
28374	1.6	3.2	14.0	19.0	natural	6	80.00
28375	1.6	3.2	14.0	19.0	black	6	80.00
28376	2.0	4.0	15.0	22.0	natural	3	61.00
28377	2.4	4.0	15.0	22.0	natural	3	61.00
28378	3.2	6.4	25.0	32.0	natural	3	84.00
28379	3.2	6.4	25.0	32.0	black	3	84.00
28380	3.2	6.4	25.0	32.0	white	3	84.00
28381	3.2	6.4	25.0	32.0	red	3	84.00
28382	3.2	6.4	25.0	32.0	yellow	3	84.00
28383	3.2	6.4	25.0	32.0	natural	6	138.00
28384	3.2	6.4	25.0	32.0	black	6	138.00
28385	3.7	6.4	25.0	38.0	natural	3	96.00
28386	4.0	7.2	38.0	51.0	natural	3	96.00
28387	6.4	9.6	51.0	63.0	natural	3	116.00
28388	6.4	9.6	51.0	63.0	black	3	116.00
28389	6.4	9.6	51.0	63.0	red	3	116.00
28390	6.4	9.6	51.0	63.0	yellow	3	116.00
28391	6.4	9.6	51.0	63.0	natural	6	186.00
28392	6.4	9.6	51.0	63.0	black	6	186.00

THOMAFLUID® PUR High-Tech Spiral  
Industrial Tubing  
Type: THOMAPLAST® LED 191

## Application areas:

- Pneumatic lines (low-pressure range)
- Hydraulic lines (mini-hydraulics)
- Car body construction, mechanical engineering, engine construction
- Measurement and control technology
- Vacuum technology

## Product specification:

- High flexibility and elasticity
- Strong elastic force
- Extremely high cold resistance
- Remarkable abrasion resistance
- Good damping behaviour
- Kink resistance
- Narrow bending radii
- No embrittlement, as free of plasticizers
- Resistant to most oils, fats, aliphatic hydrocarbons and ozone
- UV-resistant

## Technical specification:

- Material: PUR (polyurethane), polyester-based
- Colour: blue
- Shore hardness A: 85° ± 5°
- Temperature range: -20 °C to +60 °C
- Max. operating pressure: 10 bar at +20 °C
- Connection nozzles: on one side 100 mm; on the other side 500 mm

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Tech Spiral Industrial Tubing**  
**Type: THOMAPLAST® LED 191**

Cat. No.	I. D. mm	O. D. mm	I. D. spiral mm	Working length m	Piece/ package	Price EURO
330158	2.0	4.0	17.0	2.0	1	24.00
330159	2.0	4.0	17.0	3.0	1	32.00
330160	4.0	6.0	30.0	3.0	1	44.00
330161	4.0	6.0	30.0	6.0	1	58.00
330162	4.0	6.0	30.0	8.0	1	62.00
330163	5.0	8.0	34.0	3.0	1	58.00
330164	5.0	8.0	34.0	6.0	1	66.00
330165	5.0	8.0	34.0	8.0	1	74.00
330166	6.5	10.0	42.0	3.0	1	62.00



33 0158



33 9522

330167	6.5	10.0	42.0	6.0	1	84.00
330168	6.5	10.0	42.0	8.0	1	96.00
330169	8.0	12.0	60.0	3.0	1	80.00
330170	8.0	12.0	60.0	6.0	1	104.00
330171	8.0	12.0	60.0	8.0	1	126.00

**THOMAFLUID® PUR High-Tech Spiral Tubing (calibrated)**  
**Type: THOMAPLAST® LED 31**
**Product specification:**

- Spiral tubing with strong elastic force
- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine.
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: blue
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -20 °C to +60 °C
- Max. operating pressure: 10 bar at +20 °C
- Connection nozzles: on one side 100 mm; on the other side 500 mm

**THOMAFLUID® PUR High-Tech Spiral Tubing (calibrated)**  
**Type: THOMAPLAST® LED 31**

Cat. No.	I. D. mm	O. D. mm	I. D. spiral mm	Working length m	Piece/ package	Price EURO
339522	2.0	4.0	17	2	1	38.00
339523	2.0	4.0	17	3	1	54.00
339524	4.0	6.0	30	3	1	72.00
339525	4.0	6.0	30	6	1	84.00
339526	4.0	6.0	30	8	1	90.00
339527	5.0	8.0	34	3	1	92.00
339528	5.0	8.0	34	6	1	96.00
339529	5.0	8.0	34	8	1	110.00
339530	6.5	10.0	42	3	1	105.00
339531	6.5	10.0	42	6	1	125.00
339532	6.5	10.0	42	8	1	140.00
339533	8.0	12.0	60	3	1	138.00
339534	8.0	12.0	60	6	1	156.00
339535	8.0	12.0	60	8	1	192.00

**THOMAFLUID® PUR High-Tech Spiral Tubing without Fittings**  
**Type: THOMAPLAST® LCK 108**
**Product specification:**

- Spiral tubing with strong elastic force
- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine.
- UV-resistant

**Technical specification:**

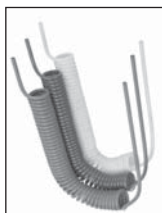
- Material: PUR (polyurethane)
- Colour: blue, yellow, red
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -20 °C to +60 °C
- Max. operating pressure: 10 bar at +20 °C
- Connection nozzles: on one side 100 mm; on the other side 500 mm

Cat. No.	I. D. mm	O. D. mm	Working length m	O. D. spiral mm	Block length mm	Colour	Price EURO
302755	2.0	4.0	2	24	260	blue	38.00
302756	2.0	4.0	3	24	310	blue	54.00
302757	4.0	6.0	3	33	370	blue	80.00
302758	4.0	6.0	6	33	480	blue	82.00
302759	4.0	6.0	3	33	370	yellow	80.00
302760	4.0	6.0	6	33	480	yellow	82.00
302761	4.0	6.0	3	33	370	red	80.00
302762	4.0	6.0	6	33	480	red	82.00
302763	5.0	8.0	3	36	320	blue	92.00
302764	5.0	8.0	6	36	610	blue	98.00

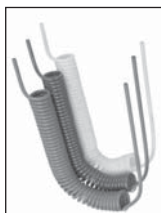
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Tech Spiral Tubing without Fittings**  
**Type: THOMAPLAST® LCK 108**

Cat. No.	I. D.	O. D.	Working length	O. D. spiral	Block length	Colour	Price
							EURO
302765	5.0	8.0	3	36	320	yellow	92.00
302766	5.0	8.0	6	36	610	yellow	98.00
302767	5.0	8.0	3	36	320	red	92.00
302768	5.0	8.0	6	36	610	red	98.00
330799	6.5	10.0	3	52	320	blue	104.00
330800	6.5	10.0	6	52	550	blue	118.00
330801	6.5	10.0	8	52	660	blue	138.00



30 2755



30 2755



33 0953



33 0953

330802	6.5	10.0	3	52	320	yellow	104.00
330803	6.5	10.0	6	52	550	yellow	118.00
330804	6.5	10.0	8	52	660	yellow	138.00
330805	6.5	10.0	3	52	320	red	104.00
330806	6.5	10.0	6	52	550	red	118.00
330807	6.5	10.0	8	52	660	red	138.00
330808	8.0	12.0	3	65	270	blue	118.00
330809	8.0	12.0	6	65	550	blue	138.00
330810	8.0	12.0	8	65	620	blue	164.00
330811	8.0	12.0	3	65	270	yellow	118.00
330812	8.0	12.0	6	65	550	yellow	138.00
330813	8.0	12.0	8	65	620	yellow	164.00
330814	8.0	12.0	3	65	270	red	118.00
330815	8.0	12.0	6	65	550	red	138.00
330816	8.0	12.0	8	65	620	red	164.00
330817	9.0	13.0	3	68	280	blue	130.00
330818	9.0	13.0	6	68	640	blue	154.00
330819	9.0	13.0	8	68	700	blue	182.00
330820	9.0	13.0	3	68	280	yellow	130.00
330821	9.0	13.0	6	68	640	yellow	154.00
330822	9.0	13.0	8	68	700	yellow	182.00
330823	9.0	13.0	3	68	280	red	130.00
330824	9.0	13.0	6	68	640	red	154.00
330825	9.0	13.0	8	68	700	red	182.00
330826	11.0	16.0	3	90	270	blue	204.00
330827	11.0	16.0	6	90	540	blue	264.00
330828	11.0	16.0	8	90	600	blue	316.00
330829	11.0	16.0	3	90	270	yellow	204.00
330830	11.0	16.0	6	90	540	yellow	264.00
330831	11.0	16.0	8	90	600	yellow	316.00
330832	11.0	16.0	3	90	270	red	204.00
330833	11.0	16.0	6	90	540	red	264.00
330834	11.0	16.0	8	90	600	red	316.00
330835	13.0	19.0	3	125	210	blue	318.00
330836	13.0	19.0	6	125	480	blue	344.00
330837	13.0	19.0	8	125	550	blue	394.00
330839	13.0	19.0	3	125	210	yellow	318.00
330840	13.0	19.0	6	125	480	yellow	344.00
330841	13.0	19.0	8	125	550	yellow	394.00

**THOMAFLUID® PUR High-Tech Anti-Spark Spiral Tubing without Fittings**  
**Type: THOMAPLAST® LCK 111**
**Product specification:**

- Spiral tubing with strong elastic force
- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosene.

- UV-resistant
- Extremely resistant to flying sparks and welding spatter
- Fluorine-, halogen- and silicone-free, as well as free of lacquer wetting substances

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: black
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -20 °C to +60 °C
- Max. operating pressure: 10 bar at +20 °C
- Connection nozzles: on one side 100 mm; on the other side 500 mm

Cat. No.	I. D.	O. D.	Working length	O. D. spiral	Block length	Price
						EURO
330953	6.0	10.0	3	52	320	180.00
330954	6.0	10.0	6	52	550	234.00
330955	6.0	10.0	8	52	660	270.00
330956	8.0	13.0	3	68	280	252.00
330957	8.0	13.0	6	68	560	342.00
330958	8.0	13.0	8	68	650	396.00

**THOMAFLUID® PUR High-Tech Double Lumen Spiral Chemical Tubing**  
**Type: THOMAPLAST® LED DUO SP**
**Product specification:**

- Two tubes sealed together to one pair of tubes, coiled as spiral tubing

## TUBING TECHNOLOGY-ELASTOMERS

- Very good elastic behaviour, thus outstanding flexibility
- Flexible also at -40 °C
- Very high mechanical stability, tearing-resistant, even in long-term tests
- Very good abrasion resistance
- Good resistance to aging, weather and ozone
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine, and aqueous salt solutions.
- UV-resistant

### Technical specification:

- Material: PUR (polyurethane)
- Colour: blue/black
- Shore hardness A: 85° ± 5°
- Temperature range: -40 °C to +80 °C, for a short time +120 °C
- Modification of tubing: spiral double lumen tubing
- Tolerances:
  - Outside Ø: 4-5 mm: up to +0.07 mm;  
6-10 mm: up to +0.10 mm
  - Wall thickness: 4-8 mm: ± 0.05 mm;  
10 mm: ± 0.1 mm

Cat. No.	I. D. mm	O. D. mm	O. D. spiral mm	Working length m	Piece/ package	Price EURO
14444	3	4.3	30	2.5	1	49.00
14445	3	4.3	30	5	1	77.00
14446	3	4.3	30	10	1	113.00
14447	4	6.0	60	2.5	1	59.00
14448	4	6.0	60	5	1	85.00
14449	4	6.0	60	10	1	156.00
14450	6	8.0	80	2.5	1	75.00
14451	6	8.0	80	5	1	113.00
14452	6	8.0	80	10	1	210.00
14453	8	10.0	90	2.5	1	113.00
14454	8	10.0	90	5	1	167.00
14455	8	10.0	90	10	1	318.00



14 444



14 444



33 0845



33 0845

- Best mechanical stability and tearing strength, even in long-term tests
- Resistant to weather, ozone and aging
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosine.
- UV-resistant
- With rotatable screw connections (external thread) on both sides
- Screw connections fitted with antikink device

### Technical specification:

- Material: PUR (polyurethane)
- Colour: blue, yellow, red
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -20 °C to +60 °C
- Max. operating pressure: 10 bar at +20 °C
- Connection nozzles: on one side 100 mm; on the other side 500 mm

Cat. No.	I. D. mm	O. D. mm	External thread inch	Wor- king length m	O. D. spiral mm	Block length mm	Colour	Price EURO
330845	4.0	6.0	R 1/4"	3	33	370	blue	116.00
330846	4.0	6.0	R 1/4"	6	33	480	blue	124.00
330847	4.0	6.0	R 1/4"	3	33	370	yellow	116.00
330848	4.0	6.0	R 1/4"	6	33	480	yellow	124.00
330849	4.0	6.0	R 1/4"	3	33	370	red	116.00
330850	4.0	6.0	R 1/4"	6	33	480	red	124.00
330851	5.0	8.0	R 1/4"	3	36	320	blue	126.00
330852	5.0	8.0	R 1/4"	6	36	610	blue	134.00
330853	5.0	8.0	R 1/4"	3	36	320	yellow	126.00
330854	5.0	8.0	R 1/4"	6	36	610	yellow	134.00
330855	5.0	8.0	R 1/4"	3	36	320	red	126.00
330856	5.0	8.0	R 1/4"	6	36	610	red	134.00
330857	6.5	10.0	R 1/4"	3	52	320	blue	146.00
330858	6.5	10.0	R 1/4"	6	52	550	blue	160.00
330859	6.5	10.0	R 1/4"	8	52	660	blue	178.00
330860	6.5	10.0	R 1/4"	3	52	320	yellow	146.00

## THOMAFLUID® PUR High-Tech Spiral Tubing with Rotatable Screw Connections Type: THOMAPLAST® LCK 108

### Product specification:

- Spiral tubing with strong elastic force
- Very good kink resistance
- Highest elasticity and flexibility

330861	6.5	10.0	R 1/4"	6	52	550	yellow	160.00
330862	6.5	10.0	R 1/4"	8	52	660	yellow	178.00
330863	6.5	10.0	R 1/4"	3	52	320	red	146.00
330864	6.5	10.0	R 1/4"	6	52	550	red	160.00
330865	6.5	10.0	R 1/4"	8	52	660	red	178.00
330866	8.0	12.0	R 3/8"	3	65	270	blue	164.00
330867	8.0	12.0	R 3/8"	6	65	550	blue	186.00
330868	8.0	12.0	R 3/8"	8	65	620	blue	210.00
330869	8.0	12.0	R 3/8"	3	65	270	yellow	164.00
330870	8.0	12.0	R 3/8"	6	65	550	yellow	186.00
330871	8.0	12.0	R 3/8"	8	65	620	yellow	210.00



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR High-Tech Spiral Tubing with Rotatable Screw Connections**  
**Type: THOMAPLAST® LCK 108**

Cat. No.	I. D.	O. D.	External thread	Working length	O. D. spiral	Block length	Colour	Price
	mm	mm	inch	m	mm	mm		EURO
330872	8.0	12.0	R 3/8"	3	65	270	red	164.00
330873	8.0	12.0	R 3/8"	6	65	550	red	186.00
330874	8.0	12.0	R 3/8"	8	65	620	red	210.00
330875	9.0	13.0	R 3/8"	3	68	280	blue	178.00
330876	9.0	13.0	R 3/8"	6	68	640	blue	196.00
330877	9.0	13.0	R 3/8"	8	68	700	blue	220.00
330878	9.0	13.0	R 3/8"	3	68	280	yellow	178.00
330879	9.0	13.0	R 3/8"	6	68	640	yellow	196.00
330880	9.0	13.0	R 3/8"	8	68	700	yellow	220.00
330881	9.0	13.0	R 3/8"	3	68	280	red	178.00
330882	9.0	13.0	R 3/8"	6	68	640	red	196.00
330883	9.0	13.0	R 3/8"	8	68	700	red	220.00
330884	11.0	16.0	R 1/2"	3	90	270	blue	220.00
330885	11.0	16.0	R 1/2"	6	90	540	blue	234.00
330886	11.0	16.0	R 1/2"	8	90	600	blue	266.00
330887	11.0	16.0	R 1/2"	3	90	270	yellow	220.00
330888	11.0	16.0	R 1/2"	6	90	540	yellow	234.00
330889	11.0	16.0	R 1/2"	8	90	600	yellow	266.00
330890	11.0	16.0	R 1/2"	3	90	270	red	220.00
330891	11.0	16.0	R 1/2"	6	90	540	red	234.00
330892	11.0	16.0	R 1/2"	8	90	600	red	266.00
330893	13.0	19.0*	R 3/4"	3	125	210	blue	304.00
330894	13.0	19.0*	R 3/4"	6	125	480	blue	324.00
330895	13.0	19.0*	R 3/4"	8	125	550	blue	360.00
330896	13.0	19.0*	R 3/4"	3	125	210	yellow	304.00
330897	13.0	19.0*	R 3/4"	6	125	480	yellow	324.00
330898	13.0	19.0*	R 3/4"	8	125	550	yellow	360.00

\* With rigid screw connection and steel anti-kink spring

**THOMAFLUID® Polyurethane Safety Spiral Tubing**  
**Type: THOMASAFE RS 4038**
**Application areas:**

- Conveyance of neutral, liquid, and gaseous media, particularly of combustible fluids at systems in motion or under vibration such as hydraulic and pneumatic controls of robot systems, automated metering systems in industrial plants as well as in experimental prototype construction and experimental set-ups in physics, biotechnology, chemistry, and medical engineering

**Product specification:**

- Continuously coiled, extremely light-weighted, flexible, dimensionally stable, and non-combustible safety polyurethane tubing (PUR), coloured blue, kinking-resistant, with high long-term recoil spring power (also at continuous load), abrasion-resistant. Resistant to aging, free of plasticizers, robust to effects of light and ozone, resistant to gasoline, cyclohexane, diesel oil, isooctane, kerosene, and aqueous salt solutions. Pressure loadable up to 8 bar at 50 °C, working temperature range from -40 °C to +85 °C.

Straight coupling ends at both sides: length of one side 100 mm, length of the other side 500 mm, with reinforced ends each and completely mounted rotatable R-1/4" or R-3/8" threaded couplings. Delivered in practice-proven dimensions.

**THOMAFLUID® Polyurethane Safety Spiral Tubing**  
**Type: THOMASAFE RS 4038**

Cat. No.	O. D.	I. D.	O. D. External spiral thread	Working length	Total length	Piece/ packa-ge	Price
	mm	mm	mm inch	m	m		EURO
47507	8	5	50 R 1/4"	2.4	3	1	57.00
47508	8	5	50 R 1/4"	4.8	6	1	77.00
47509	8	5	50 R 1/4"	6.0	8	1	95.00
47510	9.5	6.3	60 R 1/4"	2.4	3	1	67.00
47511	9.5	6.3	60 R 1/4"	4.8	6	1	87.00
47512	9.5	6.3	60 R 1/4"	6.0	8	1	100.00
47513	12	8	80 R 3/8"	2.4	3	1	72.00
47514	12	8	80 R 3/8"	4.8	6	1	98.00



47 507



47 507

47515	12	8	80 R 3/8"	6.0	8	1	118.00
47516	15	9.5	110 R 3/8"	2.4	3	1	133.00
47517	15	9.5	110 R 3/8"	4.8	6	1	169.00
47518	15	9.5	110 R 3/8"	6.0	7.5	1	195.00

**THOMAFLUID® High-Tech Polyurethane Spiral Tubing with Rotatable Plug-in Nipple and Quick-Release Coupling**  
**Type: THOMAPLAST® LCK 108**
**Product specification:**

- Spiral tubing with permanent return spring force
- Very good kink resistance
- Highest elasticity and flexibility
- Best mechanical stability and tearing strength, even in long-term tests
- Resistant to aging, weather and ozone
- Calibrated according to CETOP standard
- Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosene
- UV-resistant
- On one side with rotatable plug-in nipple, on the other side with rotatable quick-release coupling
- Nipple and coupling fitted with antikink device

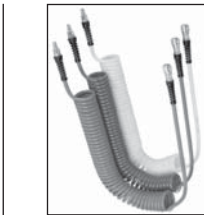
**Technical specification:**

- Material: PUR (polyurethane)
- Colour: blue, yellow, red
- Shore hardness A: 98° (DIN 53505)
- Temperature range: -20 °C to +60 °C

## TUBING TECHNOLOGY-ELASTOMERS

- Max. operating pressure: 10 bar at +20 °C

Cat. No.	I. D.	O. D.	NW	Working length	O. D. spiral	Block length	Colour	Price
	mm	mm	mm	m	mm	mm		EURO
330914	4.0	6.0	5.0	3	33	370	blue	116.00
330915	4.0	6.0	5.0	6	33	480	blue	124.00
330916	4.0	6.0	5.0	3	33	370	yellow	116.00
330917	4.0	6.0	5.0	6	33	480	yellow	124.00
330918	4.0	6.0	5.0	3	33	370	red	116.00
330919	4.0	6.0	5.0	6	33	480	red	124.00
330920	5.0	8.0	7.2	3	36	320	blue	126.00
330921	5.0	8.0	7.2	6	36	610	blue	134.00
330922	5.0	8.0	7.2	3	36	320	yellow	126.00
330923	5.0	8.0	7.2	6	36	610	yellow	134.00
330924	5.0	8.0	7.2	3	36	320	red	126.00
330925	5.0	8.0	7.2	6	36	610	red	134.00



33 0914



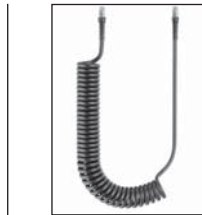
33 0914

- UV-resistant
- With rotatable screwed fittings (external thread) on both sides
- Screwed fittings fitted with antikink device

## Technical specification:

- Colour: black-coloured
- Connections: on one side 100 mm on the other side 500 mm

Cat. No.	I. D.	O. D.	External thread	Working length	O.D. spiral	Block length	Price
	mm	mm	inch	m	mm	mm	EURO
330959	6.0	10.0	R 1/4"	3	52	320	216.00
330960	6.0	10.0	R 1/4"	6	52	550	276.00
330961	6.0	10.0	R 1/4"	8	52	660	310.00



33 0959



33 0902

330926	6.5	10.0	7.2	3	52	320	blue	146.00
330927	6.5	10.0	7.2	6	52	550	blue	160.00
330928	6.5	10.0	7.2	8	52	660	blue	178.00
330929	6.5	10.0	7.2	3	52	320	yellow	146.00
330930	6.5	10.0	7.2	6	52	550	yellow	160.00
330931	6.5	10.0	7.2	8	52	660	yellow	178.00
330932	6.5	10.0	7.2	3	52	320	red	146.00
330933	6.5	10.0	7.2	6	52	550	red	160.00
330934	6.5	10.0	7.2	8	52	660	red	178.00
330935	8.0	12.0	7.2	3	65	270	blue	164.00
330936	8.0	12.0	7.2	6	65	550	blue	186.00
330937	8.0	12.0	7.2	8	65	620	blue	210.00
330938	8.0	12.0	7.2	3	65	270	yellow	164.00
330939	8.0	12.0	7.2	6	65	550	yellow	186.00
330940	8.0	12.0	7.2	8	65	620	yellow	210.00
330941	8.0	12.0	7.2	3	65	270	red	164.00
330942	8.0	12.0	7.2	6	65	550	red	186.00
330943	8.0	12.0	7.2	8	65	620	red	210.00
330944	9.0	13.0	7.2	3	68	280	blue	178.00
330945	9.0	13.0	7.2	6	68	640	blue	196.00
330946	9.0	13.0	7.2	8	68	700	blue	220.00
330947	9.0	13.0	7.2	3	68	280	yellow	178.00
330948	9.0	13.0	7.2	6	68	640	yellow	196.00
330949	9.0	13.0	7.2	8	68	700	yellow	220.00
330950	9.0	13.0	7.2	3	68	280	red	178.00
330951	9.0	13.0	7.2	6	68	640	red	196.00
330952	9.0	13.0	7.2	8	68	700	red	220.00

330962	8.0	13.0	R 3/8"	3	68	280	294.00
330963	8.0	13.0	R 3/8"	6	68	560	384.00
330964	8.0	13.0	R 3/8"	8	68	650	444.00

### THOMAFLUID® High-Tech Polyurethane Spiral Tubing with Air Blow Off Gun and Plug-in Nipple

Type: THOMAPLAST® LCK 107

## Product specification:

- With high-quality, robust as well as handy air blow off gun available in two designs:
  - Type: APNO (particularly robust industrial design) body made of forged aluminium, spray nozzle made of steel, chromium-plated, colour: blue and yellow.
  - Type: APKO (light industrial design) body made of plastics, with extension nozzle made of steel (length: 100 mm; colour: red).
- Plug-in nipple DN 7.2
- With plastic and scratch protection
- Unit completely mounted

### THOMAFLUID® High-Tech Polyurethane Spiral Tubing with Spark Protection and Rotatable Screwed Fittings

Type: THOMAPLAST® LCK 111

## Product specification:

- Extremely resistant to flying firebrands and welding spatter
- Fluorine-, halogen- and silicone-free, as well as free of lacquer wetting substances

Cat. No.	I. D.	O. D.	Working length	O.D.	Block	Type	Price
length	mm	mm	m	mm	mm		EURO
330902	5.0	8.0	3	36	260	APNO	146.00
330903	5.0	8.0	6	36	510	APNO	168.00
330904	5.0	8.0	3	36	260	APNO	146.00
330905	5.0	8.0	6	36	510	APNO	168.00
330906	6.5	10.0	3	52	230	APNO	160.00
330907	6.5	10.0	6	52	490	APNO	182.00
330908	6.5	10.0	3	52	230	APNO	160.00

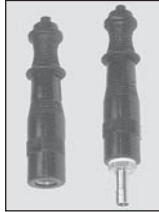
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® High-Tech Polyurethane Spiral Tubing with Air Blow Off Gun and Plug-in Nipple**
**Type: THOMAPLAST® LCK 107**

Cat. No.	I. D. spiral length	O. D. length	Working m	O.D. mm	Block mm	Type	Price EURO
330909	6.5	10.0	6	52	490	APNO	182.00
330910	5.0	8.0	3	36	260	APKO	128.00
330911	5.0	8.0	6	36	510	APKO	148.00
330912	6.5	10.0	3	52	230	APKO	142.00
330913	6.5	10.0	6	52	490	APKO	162.00



33 0910



33 0300

33 0301

**THOMAPLAST® Air Blow Out Gun with Safety Nozzle**
**Type: RCT® LDE BLPS**

Cat. No.	Connection	Piece/package	Price EURO
330306	Tubing connection 6 mm	1	85.00
330307	Tubing connection 9 mm	1	90.00

**THOMAFLUID® PUR Double-Wall Jacket High-Pressure Chemical Tubing**
**Type: THOMAPLAST® CHAP 99194**


33 0308



33 0308

**THOMAPLAST® Air Blow Out Gun with Short Nozzle**
**Type: RCT® LDE BLP**
**Product specification:**

- Low weight due to the plastic body
- Metered amount of blow out air by means of the operating lever

Cat. No.	Connection	Piece/package	Price EURO
330300	Internal thread G 1/4"	1	65.00
330301	Tubing connection 6 mm	1	70.00
330302	Tubing connection 9 mm	1	70.00
330303	Coupling plug NW 5	1	70.00
330304	Coupling plug NW 7.2	1	70.00

**THOMAPLAST® Air Blow Out Gun with Safety Nozzle**
**Type: RCT® LDE BLPS**
**Product specification:**

- Low weight due to the plastic body
- Metered amount of blow out air by means of the operating lever
- At a too small distance between nozzle and surface the air escapes sideward

Cat. No.	Connection	Piece/package	Price EURO
330305	Internal thread G 1/4"	1	80.00

**Product specification:**

- High pressure hydraulic tubing for conveyance of hardly inflammable hydraulic fluids on phosphate ester base, fluids on mineral oil and glycol base, mineral lubricants, cooling agents, water up to +70 °C, dyes, various solvents, fuels, carbonic acid, compressed air, Frigen®, nitrogen, natural gas etc.
- High mechanical stability
- Excellent resistance to abrasion
- Good resistance to aging and ozone
- Low permeability to gas
- The jacket is said to have good resistance to weather, good impact toughness, and best abrasion resistance.
- UV-resistant

**Technical specification:**

- Liner: PUR (polyurethane)
- Jacket: PE (polyethylene)
- Colour: black
- Temperature range: -55 °C to +95 °C, for a short time: +120 °C
- Insert: twofold synthetic fibre braiding
- Bursting pressure: 4fold dynamic operating pressure

Cat. No.	NW mm	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
13101	4	4.8	10.8	207	20	3	108.00
13102	4	4.8	10.8	207	20	5	167.00
13103	6	6.4	13.1	190	32	3	118.00
13104	6	6.4	13.1	190	32	5	179.00
13105	8	8.0	15.0	172	45	3	128.00
13106	8	8.0	15.0	172	45	5	197.00

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR Double-Wall Jacket High-Pressure Chemical Tubing**  
**Type: THOMAPLAST® CHAP 99194**

Cat. No.	NW	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mm	bar	mm	m	EURO
13107	10	9.6	16.9	155	51	3	144.00
13108	10	9.6	16.9	155	51	5	220.00
13109	13	12.7	20.5	138	77	1	82.00
13110	13	12.7	20.5	138	77	3	205.00
13111	20	19.0	26.7	86	127	1	113.00

<sup>1</sup> at +20 °C

13 101



13101

- Temperature range: -30 °C to +90 °C
- Max. operating pressure: 16 bar at +20 °C
- Regulations: UL 94 V0-V2

Cat. No.	I. D.	O. D.	Bending radius	Length	Price
	mm	mm	mm	m	EURO
302737	4.0	8.0	15	5	113.00
302738	4.0	8.0	15	15	270.00
302739	6.0	10.0	20	5	133.00
302740	6.0	10.0	20	15	310.00

**THOMAFLUID® PUR Twin Double-Wall Jacket High-Pressure Chemical Tubing**  
**Type: THOMAPLAST® CHAP 99294**


13 112



13 112

**THOMAFLUID® PUR / PVC Double-Wall Jacket Tubing (Resistant to Welding Spatter)**  
**Type: THOMAPLAST® LED 241**
**Product specification:**

- Special tubing, resistant to welding spatter
- Liner: Very high mechanical stability, tearing-resistant, even in long-term tests. Very good elastic behaviour, thus outstanding flexibility. Favourable bending radius.



30 2737



30 2737

Very high resistance to abrasion.  
 Good resistance to aging.  
 Good chemical resistance to gasoline, cyclohexane, diesel oil, isooctane, kerosene, and aqueous salt solutions.

- Jacket: Hardly inflammable protective jacket, which has very good insulating properties and meets the regulations.

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: black

**Product specification:**

- Twin high-pressure hydraulic tubes are sealed together by means of hot extrusion.
- Usable for conveyance of hardly inflammable hydraulic fluids on phosphate ester base, fluids on mineral oil and glycol base, mineral lubricants, cooling agents, water up to +70 °C, dyes, various solvents, fuels, carbonic acid, compressed air, Frigen®, nitrogen, natural gas etc.
- High mechanical stability
- Excellent resistance to abrasion
- Good resistance to aging and ozone
- Low permeability to gas
- The jacket is said to have good resistance to weather, good impact toughness, and best abrasion resistance.
- UV-resistant

**Technical specification:**

- Liner: PUR (polyurethane)
- Jacket: PE (polyethylene)
- Colour: black
- Temperature range: -55 °C to +95 °C, for a short time: +120 °C
- Insert: twofold synthetic fibre braiding
- Bursting pressure: 4fold dynamic operating pressure

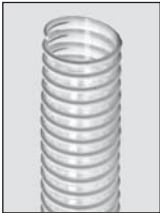
Cat. No.	NW	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mm	bar	mm	m	EURO
13112	6	6.4	13.1	190	32	1	87.00
13113	6	6.4	13.1	190	32	3	238.00
13114	8	8.0	15.0	172	45	1	98.00
13115	8	8.0	15.0	172	45	3	269.00
13116	10	9.6	16.9	155	51	1	105.00
13117	10	9.6	16.9	155	51	3	297.00

<sup>1</sup> at +20 °C

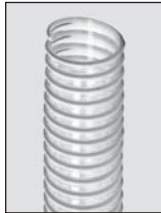
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® PUR Foil Tubing**  
**Type: THOMAPLAST® CHAP 62-97**
**Product specification:**

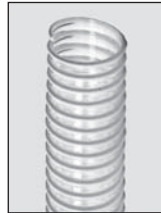
- Heavy type with double foil thickness
- Steel wire spiral, PUR coated
- PUR steel wire spiral as pressure support
- High mechanical loading (wear resistance)
- Very high abrasion resistance
- Good resistance to weather, aging, and ozone
- Low permeability to gas
- Resistant to mineral oil
- UV-resistant



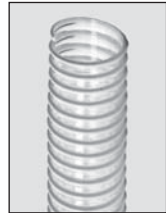
12 887



12 889



12 896



12 896

- Very good resistance to aging, ozone, and weather
- Low permeability to gas
- Resistance to mineral oil
- UV-resistant
- With integrated welded-in supporting spiral

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: transparent
- Temperature range: -30 °C to +80 °C
- Insert: a corrosion-protected steel wire spiral
- Design (inside/outside): corrugated

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: transparent
- Temperature range: -30 °C to +80 °C
- Design (inside): smooth
- Design (outside): corrugated

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mbar	mm	m	EURO
12887	100	106	220	100	1	123.00
12888	120	126	180	120	1	151.00
12889	140	146	160	140	1	172.00
12890	150	156	150	150	1	182.00
12891	160	166	140	160	1	185.00
12892	180	186	120	180	1	190.00
12893	200	207	110	200	1	210.00
12894	250	257	90	250	1	264.00
12895	300	307	90	300	1	318.00

<sup>1</sup> at +20 °C

Cat. No.	I. D.	O. D.	Max. operating pressure <sup>1</sup>	Bending radius	Length	Price
	mm	mm	mbar	mm	m	EURO
12896	50	54	300	50	3	139.00
12897	50	54	300	50	5	208.00
12898	60	64	275	60	3	151.00
12899	60	64	275	60	5	233.00
12900	80	84	200	80	1	72.00
12901	80	84	200	80	3	182.00
12902	90	94	150	90	1	75.00
12903	90	94	150	90	3	190.00
12904	100	105	110	100	1	80.00
12905	100	105	110	100	3	200.00
12906	120	125	90	120	1	90.00
12907	120	125	90	120	3	223.00
12908	125	130	88	125	1	98.00
12909	125	130	88	125	3	243.00
12910	130	135	86	130	1	100.00
12911	130	135	86	130	3	251.00
12912	150	155	79	150	1	105.00
12913	160	165	73	160	1	116.00
12914	180	185	60	180	1	121.00
12915	200	206	56	200	1	126.00
12916	250	256	45	250	1	177.00
12917	300	306	45	300	1	223.00

<sup>1</sup> at +20 °C
**THOMAFLUID® PUR Foil Tubing**  
**Type: THOMAPLAST® CHAP 57794**
**Product specification:**

- Robust type
- High mechanical stability and flexibility
- Excellent abrasion resistance

**THOMAFLUID® PUR Suction Profile Tubing**  
**Type: THOMAPLAST® CHAP WP 14**
**Product specification:**

- Robust, medium-weighted type
- Designed particularly for suction applications

## TUBING TECHNOLOGY-ELASTOMERS

- High wear resistance
- Good abrasion resistance
- Resistance to weather, aging, and ozone
- UV-resistant
- Low permeability
- Resistant to mineral oil

**Technical specification:**

- Material: PUR (polyurethane)
- Colour: transparent
- Temperature range: -40 °C to +100 °C
- Insert: a spring steel wire spiral, PUR-covered
- Wall thickness: approx. 1.4 mm
- Design (inside): smooth
- Design (outside): corrugated

Cat. No.	I. D.	O. D.	Vacuum	Bending radius	Max. operating pressure <sup>1</sup>	Length	Price
	mm	mm	mbar	mm	bar	m	EURO
12918	32	44	900	48	3.0	1	80.00
12919	38	50	750	60	2.4	1	82.00
12920	50	62	600	78	1.9	1	92.00
12921	60	72	550	90	1.8	1	116.00
12922	75	87	500	113	1.2	1	123.00
12923	100	113	400	150	1.1	1	177.00

<sup>1</sup> at +20 °C

## THOMAFLUID® PUR Insulating Tubing

**Product specification:**

- An extremely flexible synthetic caoutchouc (polyurethane) with lowest thermal conductivity. Thereby high reduction of energy loss, prevention of condensation water formation by closed material structure.
- UV-resistant

**Technical specification:**

- Material: PUR (polyurethane, foamed)
- Colour: black
- Thermal conductivity at 0 °C: 0.038 W/mK
- Thermal conductivity at +50 °C: 0.039 W/mK
- Diffusion resistance factor: 2.500
- Burning behaviour: DIN 4102 (hardly inflammable), Category B 1

Cat. No.	I. D.	Insulating layer thickness	Length	Price
	mm	mm	m	EURO
42120	11.0	6.0	1	25.00
42121	12.5	6.0	1	28.00
42122	14.5	6.0	1	29.00
42123	16.0	6.0	1	31.00
42124	16.0	9.0	1	34.00
42125	16.0	19.0	1	93.00
42126	18.0	6.0	1	32.00
42127	18.0	9.0	1	35.00
42128	19.0	6.0	1	33.00
42129	19.0	9.0	1	36.00
42130	22.5	6.0	1	34.00
42131	22.5	9.0	1	40.00
42132	26.0	6.0	1	36.00
42133	26.0	9.0	1	43.00
42134	28.0	6.0	1	37.00

## THOMAFLUID® PUR Insulating Tubing

Cat. No.	I. D.	Insulating layer thickness	Length	Price
	mm	mm	m	EURO
42135	28.0	9.0	1	44.00
42136	29.0	6.0	1	39.00
42137	29.0	9.0	1	45.00
49811	31.0	6.0	1	40.00
42138	31.0	9.0	1	48.00
42139	35.0	6.0	1	43.00
42140	35.0	9.0	1	49.00
42141	36.5	6.0	1	44.00
42142	36.5	9.0	1	51.00
42143	38.5	9.0	1	54.00
42144	43.0	9.0	1	58.00
42145	45.5	9.0	1	63.00



42 120



42 120

42146	49.5	9.0	1	67.00
42147	55.0	9.0	1	78.00
42148	58.0	9.0	1	86.00
42149	61.0	9.0	1	96.00
42150	64.5	9.0	1	108.00
42151	71.0	9.0	1	118.00
42152	77.0	9.0	1	129.00
42153	81.0	9.0	1	142.00
42154	90.0	9.0	1	156.00

## THOMAFLUID® TPEE Tubing

**THOMAFLUID® TPEE High-Tech Industrial and Chemical Tubing (calibrated)**  
**Type: THOMAPLAST® NOVA 921**
**Application areas:**

- Chemical and process engineering
- Measurement and control engineering
- For compressed air at higher temperatures
- Vacuum technology
- Hydraulic and pneumatic applications

**Product specification:**

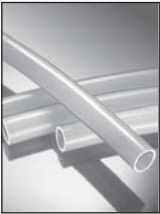
- High mechanical stability
- High abrasion resistance
- High elasticity
- Best bending and tearing strength
- Excellent flexibility at room and low temperatures
- High pressure resistance with good flexibility

## TUBING TECHNOLOGY-ELASTOMERS

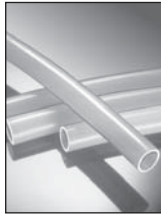
- Kink resistance
- Free of plasticizers
- Best pressure utilization factor at higher temperatures
- More temperature-resistant than standard pneumatic tubing
- High resistance to swelling in oils, aliphatic and aromatic hydrocarbons at mean temperatures
- Good chemical resistance equal to that of polyurethane

**Technical specification:**

- Material: TPEE (polyester-rubber) (thermoplastic polyether ester elastomer)
- Colour: ivory
- Shore hardness D: 63° (DIN 53505)
- Temperature range: -40 °C to +120 °C, for a short time: +160 °C
- Density: 1.20 g/cm<sup>3</sup> (DIN 53479)



33 0047



33 0047

**Technical specification:**

- Liner: LDPE (polyethylene of low density, highly cross-linked)
- Jacket: PVC (polyvinyl chloride)
- Colour: black
- Temperature range: -35 °C to +120 °C
- Embrittlement temperature: -60 °C
- Resistance to aging: very good
- Mechanical behaviour: flexible
- Autoclavable: yes

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28057	4,3	6,4	5	69.00
28058	4,3	6,4	15	180.00
28061	6,4	9,6	5	133.00
28062	6,4	9,6	15	346.00
28063	9,6	12,7	5	159.00
28064	9,6	12,7	15	413.00

## THOMAFLUID® IIR Tubing

THOMAFLUID® IIR Chemical Tubing  
Type: THOMAPLAST® DN**Product specification:**

- Rubber-elastic special butyl-caoutchouc compound
- Lowest permeability to gases, steam, and air
- Tenfold less air diffusion than comparable natural rubber tubing quality
- Best resistance to abrasion
- Very good resistance to ozone, aging, and weather
- High damping capacity
- Good thermal resistance
- Best mechanical properties
- Chemical resistance to acids and alkalis
- Tubing for conveyance of fuels and lubricants

**Technical specification:**

28 144



28 144

- Material: IIR (butyl-rubber; isobutylene-isoprene-rubber)
- Colour: black or white
- Shore hardness A: 55° ± 5°
- Temperature range: -40 °C to +130 °C
- Density: 1.34 g/cm<sup>3</sup>

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
28144	3.0	7.0	black	5	69.00

Cat. No.	I. D. mm	O. D. mm	Tolerance mm	Bending radius mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
330047	2.0	4.0	+/- 0.10	20	20	5	116.00
330048	2.0	4.0	+/- 0.10	20	20	15	290.00
330049	4.0	6.0	+/- 0.10	30	18	5	118.00
330050	4.0	6.0	+/- 0.10	30	18	15	298.00
330051	6.0	8.0	+/- 0.10	40	10	5	122.00
330052	6.0	8.0	+/- 0.10	40	10	15	304.00
330053	8.0	10.0	+/- 0.10	60	8	5	124.00
330054	8.0	10.0	+/- 0.10	60	8	15	312.00
330055	10.0	14.0	+/- 0.10	80	10	5	150.00
330056	10.0	14.0	+/- 0.10	80	10	15	374.00

<sup>1</sup> at +20 °CTHOMAFLUID® HYTREL® / PVC  
Pharmaceutical Composite and Particle  
Tubing  
Type: THOMAPLAST® BAL XX**Product specification:**

- Pharmaceutical applications and particle conveyance
- Liner is inert and neutral, tasteless and odourless
- Liner does not absorb liquids
- Liner meets the requirements of FDA, USDA, National Formulary, and the USP-Standards for food, beverages, pharmaceutical products, laboratory and medical equipment
- Non-toxic
- Jacket is resistant to abrasion and has very good resistance to aging
- Liner contains neither plasticizers nor vinyl chloride



## TUBING TECHNOLOGY-ELASTOMERS

THOMAFLUID® IIR Chemical Tubing  
Type: THOMAPLAST® DN

Cat. No.	I. D. mm	O. D. mm	Colour	Length m	Price EURO
28145	3.0	7.0	black	15	159.00
28146	6.0	10.0	black	5	81.00
28147	6.0	10.0	black	15	187.00
28148	6.0	14.0	black	5	148.00
28149	6.0	14.0	black	15	281.00
28150	8.0	12.0	black	5	100.00
28151	8.0	12.0	black	15	230.00
28152	10.0	14.0	black	5	116.00
28153	10.0	14.0	black	15	254.00
28154	12.0	16.0	black	5	145.00
28155	12.0	16.0	black	15	318.00
28158	6.0	12.0	white	5	59.00
28159	6.0	12.0	white	15	142.00
28162	8.0	12.0	white	5	59.00
28163	8.0	12.0	white	15	142.00
28166	10.0	15.0	white	5	78.00
28167	10.0	15.0	white	15	187.00
28168	12.0	18.0	white	5	97.00
28169	12.0	18.0	white	15	224.00
28170	15.0	22.0	white	10	224.00

THOMAFLUID® IIR Antista Double-Wall  
Jacket Industrial Chemical Tubing

Cat. No.	I. D. mm	O. D. mm	Design	Vacuum	Bending	Length m	Price EURO
				mbar	radius mm		
83127	25	37	without steel coil	0	150	1	144.00
83128	25	37	without steel coil	0	150	3	318.00
83129	25	37	without steel coil	0	150	5	389.00
83130	25	37	with steel coil	800	90	1	144.00
83131	25	37	with steel coil	800	90	3	318.00
83132	25	37	with steel coil	800	90	5	389.00
83133	32	44	with steel coil	800	100	1	174.00
83134	32	44	with steel coil	800	100	3	333.00
83135	32	44	with steel coil	800	100	5	440.00



83 124



83 124

THOMAFLUID® IIR Antista Double-Wall  
Jacket Industrial Chemical Tubing

## Product specification:

- Pressure tubing (without steel coil)
- Suction tubing (with steel coil)
- Good resistance to ozone, aging, and weather
- Good abrasion resistance
- High damping capacity
- Lowest permeability to gases, steam, and air  
The permeability to gas of IIR tubing is approx. tenfold lower than that of NR tubing!
- Antistatic type

## Technical specification:

- Liner: IIR (butyl / butyl-rubber;  
isobutylene-isoprene-rubber)
- Jacket: IIR (butyl / butyl-rubber;  
isobutylene-isoprene-rubber)
- Colour: black
- Temperature range: -40 °C to +100 °C, for a short time  
+120 °C
- Insert: twofold textile insert, braided with  
tin-coated copper filaments
- Max. operating pressure: 10 bar at +20 °C (without steel coil),  
16 bar at +20 °C (with steel coil)
- Leakage resistance: <10<sup>6</sup> Ohm
- Marking of tube: "Lilac ring"

Cat. No.	I. D. mm	O. D. mm	Design	Vacuum	Bending	Length m	Price EURO
				mbar	radius mm		
83124	19	31	without steel coil	0	100	1	118.00
83125	19	31	without steel coil	0	100	3	251.00
83126	19	31	without steel coil	0	100	5	318.00

83136	38	51	with steel coil	800	110	1	185.00
83137	38	51	with steel coil	800	110	3	399.00
83138	38	51	with steel coil	800	110	5	461.00
83139	40	54	with steel coil	800	120	1	195.00
83140	40	54	with steel coil	800	120	3	415.00
83141	40	54	with steel coil	800	120	5	471.00
83142	50	64	with steel coil	800	140	1	205.00
83143	50	64	with steel coil	800	140	3	425.00
83144	50	64	with steel coil	800	140	5	486.00
83145	65	79	with steel coil	800	180	1	246.00
83146	65	79	with steel coil	800	180	3	456.00
83147	65	79	with steel coil	800	180	5	507.00
83148	75	90	with steel coil	800	200	1	287.00
83149	75	90	with steel coil	800	200	3	507.00
83150	75	90	with steel coil	800	200	5	639.00
83151	100	117	with steel coil	800	400	1	323.00
83152	100	117	with steel coil	800	400	3	635.00
83153	100	117	with steel coil	800	400	5	793.00

## THOMAFLUID® NR Tubing

THOMAFLUID® NR Chemical Tubing  
Type: THOMAPLAST® DN

## Product specification:

- High tearing strength
- High impact resilience
- Outstanding tensile strength
- Very good elastic behaviour

## TUBING TECHNOLOGY-ELASTOMERS

- Best abrasion resistance
- High static friction
- Good resistance to aging

**Technical specification:**

- Material: NR (natural rubber)
- Colour: dark-red
- Shore hardness A: 58°
- Temperature range: -40 °C to +85 °C
- Density: 1.11 g/cm<sup>3</sup>

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28066	2.0	4.0	5	20.00
28067	2.0	4.0	15	51.00
28068	3.0	5.0	5	22.00
28069	3.0	5.0	15	58.00
28070	3.0	6.0	5	23.00
28071	3.0	6.0	15	61.00
28072	4.0	6.0	5	23.00
28073	4.0	6.0	15	61.00
28074	4.0	7.0	5	24.00
28075	4.0	7.0	15	63.00
28076	4.0	8.0	5	34.00
28077	4.0	8.0	15	86.00
28078	5.0	8.0	5	24.00
28079	5.0	8.0	15	63.00
28080	5.0	9.0	5	34.00
28081	5.0	9.0	15	86.00
28082	6.0	9.0	5	26.00
28083	6.0	9.0	15	66.00
28084	6.0	10.0	5	32.00
28085	6.0	10.0	15	83.00
28086	7.0	10.0	5	32.00
28087	7.0	10.0	15	83.00
28088	7.0	11.0	5	34.00
28089	7.0	11.0	15	86.00
28090	8.0	12.0	5	39.00
28091	8.0	12.0	15	101.00
28092	9.0	13.0	5	42.00
28093	9.0	13.0	15	108.00
28094	10.0	14.0	5	50.00
28095	10.0	14.0	15	129.00

**THOMAFLUID® Latex NR Chemical Tubing**  
**Type: THOMAPLAST® DN**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28177	2.0	4.0	5	46.00
28178	2.0	4.0	10	73.00
28179	2.0	6.0	5	81.00
28180	2.0	6.0	10	129.00
28181	3.0	5.0	5	66.00
28182	3.0	5.0	10	106.00
28183	3.0	6.0	5	54.00
28184	3.0	6.0	10	86.00
28185	3.0	7.0	5	64.00



28 177



28 177

28186	3.0	7.0	10	102.00
28187	4.0	6.0	5	62.00
28188	4.0	6.0	10	99.00
28189	4.0	7.0	5	62.00
28190	4.0	7.0	10	102.00
28191	4.0	8.0	5	75.00
28192	4.0	8.0	10	119.00
28193	5.0	7.0	5	62.00
28194	5.0	7.0	10	102.00
28195	5.0	8.0	5	65.00
28196	5.0	8.0	10	104.00
28197	5.0	9.0	5	86.00
28198	5.0	9.0	10	138.00
28199	6.0	8.0	5	74.00
28200	6.0	8.0	10	119.00
28201	6.0	9.0	5	75.00
28202	6.0	9.0	10	120.00
28203	6.0	10.0	5	95.00
28204	6.0	10.0	10	153.00
28205	7.0	10.0	5	76.00
28206	7.0	10.0	10	121.00
28207	7.0	11.0	5	107.00
28208	7.0	11.0	10	171.00
28209	8.0	12.0	5	115.00
28210	8.0	12.0	10	183.00
28211	9.0	13.0	5	134.00
28212	9.0	13.0	10	214.00
28213	9.0	14.0	5	152.00
28214	9.0	14.0	10	242.00
28215	10.0	14.0	5	152.00
28216	10.0	14.0	10	242.00
28217	10.0	16.0	5	164.00
28218	10.0	16.0	10	255.00
28219	12.0	17.0	5	178.00
28220	12.0	17.0	10	254.00

**THOMAFLUID® Latex NR Chemical Tubing**  
**Type: THOMAPLAST® DN**
**Product specification:**

- A rubber-elastic chemical tubing made of natural rubber (NR), obtained from *Hevea brasiliensis*, with very high elasticity and abrasion resistance, high tensile strength, and good resistance to aging.

**Technical specification:**

- Material: NR (natural rubber)
- Colour: light (transparent)
- Shore hardness A: 45°
- Density: 0.97 g/cm<sup>3</sup>
- Sterilization: up to +120 °C

## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® NR Chemical Tubing  
Type: THOMAPLAST® CHAP 51394**
**Product specification:**

- Conveying tubing
- Very soft, rubber-elastic type with very high resilience
- Inside smooth, outside textile imprint
- Best abrasion resistance and high tensile strength
- Good resistance to aging

**Technical specification:**

- Material: NR (natural rubber)
- Colour: beige
- Shore hardness A: 37° ± 5°



12 315



12 315

- Temperature range: -30 °C to +60 °C
- Tolerances: ISO R 1307

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
12315	18	24	5	116.00
12316	18	24	10	210.00
12317	20	27	5	141.00
12318	20	27	10	248.00
12319	25	35	5	250.00
12320	25	35	10	410.00
12321	30	40	5	290.00
12322	30	40	10	464.00
12323	40	50	5	374.00
12324	40	50	10	596.00
12325	50	60	5	454.00
12326	50	60	10	728.00

**THOMAFLUID® NR High-Flexible  
Chemical Tubing (super-thin-walled)  
Type: THOMAPLAST® HD 11**
**Product specification:**

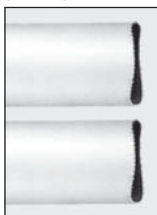
- Very good elastic behaviour with highest elastic stability
- High tearing strength
- Very high impact resilience
- Best abrasion resistance
- High static friction
- Good resistance to aging

**Technical specification:**

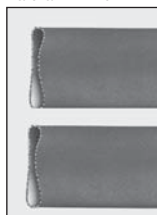
- Material: NR (natural rubber)

- Colour: natural (beige) and red
- Shore hardness A: 42° ± 3°
- Temperature range: -40 °C to +80 °C
- Density: 1.2 g/cm<sup>3</sup>
- Tolerances: DIN ISO 3302-1 (DIN 7715-2)
- Special features: with 1 to 2 mm wall thickness extremely thin-walled referring to the diameter

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
333987	10	12	1.0	natural	5	48.00
333988	10	12	1.0	natural	15	126.00
333989	15	17	1.0	natural	5	66.00



33 3987



33 3991

333990	15	17	1.0	natural	15	176.00
333991	15	17	1.0	red	5	66.00
333992	15	17	1.0	red	15	176.00
333993	20	23	1.5	natural	5	84.00
333994	20	23	1.5	natural	15	224.00
333995	20	23	1.5	red	5	84.00
333996	20	23	1.5	red	15	224.00
333997	25	28	1.5	natural	5	94.00
333998	25	28	1.5	natural	10	168.00
333999	25	28	1.5	red	5	94.00
334000	25	28	1.5	red	10	168.00
334001	30	33	1.5	natural	5	108.00
334002	30	33	1.5	natural	10	192.00
334003	30	33	1.5	red	5	108.00
334004	30	33	1.5	red	10	192.00
334005	40	43	1.5	natural	5	150.00
334006	40	43	1.5	natural	10	260.00
334007	40	43	1.5	red	5	150.00
334008	40	43	1.5	red	10	260.00
334009	50	53	1.5	natural	5	176.00
334010	50	53	1.5	natural	10	306.00
334011	50	53	1.5	red	5	176.00
334012	50	53	1.5	red	10	306.00
334013	60	63	1.5	natural	5	194.00
334014	60	63	1.5	natural	10	332.00
334015	60	63	1.5	red	5	194.00
334016	60	63	1.5	red	10	332.00
334017	70	73	1.5	natural	5	210.00
334018	70	73	1.5	natural	10	348.00
334019	70	73	1.5	red	5	210.00
334020	70	73	1.5	red	10	348.00
334021	80	83	1.5	natural	5	240.00
334022	80	83	1.5	natural	10	394.00
334023	80	83	1.5	red	5	240.00
334024	80	83	1.5	red	10	394.00
334025	90	93	1.5	natural	5	258.00
334026	90	93	1.5	natural	10	420.00
334027	90	93	1.5	red	5	258.00
334028	90	93	1.5	red	10	420.00

## TUBING TECHNOLOGY-ELASTOMERS

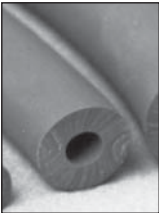
**THOMAFLUID® NR High-Flexible  
Chemical Tubing (super-thin-walled)  
Type: THOMAPLAST® HD 11**

Cat. No.	I. D. mm	O. D. mm	Wall thickness mm	Colour	Length m	Price EURO
334029	100	103	1.5	natural	5	280.00
334030	100	103	1.5	natural	10	448.00
334031	100	103	1.5	red	5	280.00
334032	100	103	1.5	red	10	448.00
334033	120	123	1.5	natural	5	300.00
334034	120	123	1.5	natural	10	474.00
334035	120	123	1.5	red	5	300.00
334036	120	123	1.5	red	10	474.00
334037	140	144	2.0	natural	5	392.00
334038	140	144	2.0	natural	10	558.00
334039	140	144	2.0	red	5	392.00
334040	140	144	2.0	red	10	558.00
334041	160	164	2.0	natural	5	448.00
334042	160	164	2.0	natural	10	598.00
334043	200	204	2.0	natural	5	564.00
334044	200	204	2.0	natural	10	678.00
334045	260	264	2.0	natural	5	682.00
334046	260	264	2.0	natural	10	820.00

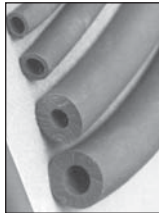
**THOMAFLUID® NR Vacuum Chemical  
Tubing  
Type: THOMAPLAST® DN**
**Technical specification:**

- Material: NR (natural rubber)
- Colour: red
- Shore hardness A: 50°
- Temperature range: -30 °C to +80 °C

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28106	3.0	9.0	5	35.00
28107	3.0	9.0	15	90.00
28108	4.0	12.0	5	60.00



28 106



28 113

28109	4.0	12.0	15	146.00
28110	5.0	13.0	5	68.00
28111	5.0	13.0	15	158.00
28112	5.0	15.0	5	95.00
28113	5.0	15.0	15	219.00
28114	6.0	12.0	5	60.00
28115	6.0	12.0	15	155.00
28116	6.0	14.0	5	74.00
28117	6.0	14.0	15	173.00
28118	6.0	16.0	5	102.00
28119	6.0	16.0	15	173.00

**THOMAFLUID® NR Vacuum Chemical  
Tubing  
Type: THOMAPLAST® DN**

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28120	6.0	18.0	5	135.00
28121	6.0	18.0	15	243.00
28122	7.0	15.0	5	82.00
28123	7.0	15.0	15	194.00
28124	7.0	17.0	5	111.00
28125	7.0	17.0	15	278.00
28126	8.0	16.0	5	93.00
28127	8.0	16.0	15	199.00
28128	8.0	18.0	5	112.00
28129	8.0	18.0	15	238.00
28130	8.0	20.0	5	128.00
28131	8.0	20.0	15	276.00
28132	8.0	22.0	5	140.00
28133	8.0	22.0	15	301.00
28134	8.0	24.0	5	152.00
28135	8.0	24.0	15	357.00
28136	10.0	16.0	5	128.00
28137	10.0	16.0	15	275.00
28138	10.0	20.0	25	378.00
28139	10.0	26.0	25	588.00
28140	10.0	30.0	25	808.00
28141	12.0	22.0	25	486.00
28142	12.0	28.0	25	573.00
28143	15.0	31.0	25	695.00

**THOMAFLUID® NR Double-Wall Jacket  
Tubing for Beverages  
Type: THOMAPLAST® CHAP 53194**
**Product specification:**

- Robust tubing for nonfat food
- Recommended particularly for fruit juices, mineral water and alcoholic beverages (such as wine and cider)
- Very good abrasion resistance

**Technical specification:**

- Liner: NR (natural rubber)
- Jacket: SBR (styrene-butadiene-rubber)
- Colour: red
- Temperature range: -35 °C to +80 °C
- Vacuum strength (at +20 °C): 50 % for ID 13 mm - 60 mm  
40 % for ID 65 mm

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
12371	13	23	15	3	82.00
12372	13	23	15	6	156.00
12373	19	29	12	3	110.00
12374	19	29	12	6	182.00
12375	25	37	12	3	133.00
12376	25	37	12	6	220.00
12377	32	48	12	1	75.00
12378	32	48	12	3	172.00
12379	40	60	12	1	90.00
12380	40	60	12	3	215.00
12381	45	65	12	1	105.00

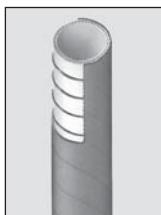
### THOMAFLUID® NR Double-Wall Jacket Tubing for Beverages

Type: THOMAPLAST® CHAP 53194

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
12382	45	65	12	3	248.00
12383	50	72	12	1	113.00
12384	50	72	12	3	282.00
12385	60	82	12	1	116.00
12386	60	82	12	3	343.00
12387	65	89	12	1	169.00
12388	65	89	12	3	417.00

<sup>1</sup> at +20 °C

12 371



12 554

### THOMAFLUID® NR Environmental Suction and Pressure Double-Wall Jacket Tubing

Type: THOMAPLAST® CHAP 55294

**Product specification:**

- Optimal mechanical properties
- Very high abrasion resistance
- Robust and flexible suction and pressure tubing
- For conveyance of process media and solutions, slurries, sewage, and liquid manure

**Technical specification:**

- Liner: NR (natural rubber)
- Jacket: SBR (styrene-butadiene rubber)
- Colour: black
- Temperature range: -20 °C to +70 °C
- Insert: two layers of rayon tissue, combined with a robust steel wire spiral
- Vacuum strength (at +20 °C): ID 50 mm to 100 mm = 80 %  
ID 110 mm to 150 mm = 60 %
- Design (inside): smooth
- Design (outside): corrugated
- Marking: green spiral-shaped stripe

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12554	50	63	10	350	1	64.00
12555	50	63	10	350	3	162.00
12556	75	88	7	525	1	90.00
12557	75	88	7	525	3	223.00
12558	90	106	6	630	1	110.00
12559	90	106	6	630	3	274.00
12560	100	116	6	700	1	123.00
12561	100	116	6	700	3	302.00

### THOMAFLUID® NR Environmental Suction and Pressure Double-Wall Jacket Tubing

Type: THOMAPLAST® CHAP 55294

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
12562	110	126	6	800	1	131.00
12563	110	126	6	800	3	320.00
12564	150	170	6	1100	1	167.00
12565	150	170	6	1100	3	425.00

<sup>1</sup> at +20 °C

### THOMAFLUID® NBR Tubing

#### THOMAFLUID® NBR Chemical Tubing

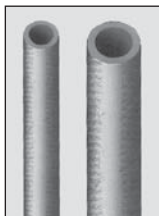
Type: THOMAPLAST® CHAP /DN/VR

**General product specification:**

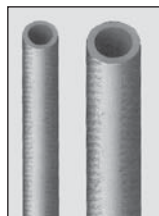
- Nitrile rubber of highest quality
- Excellent mechanical rubber-elastic properties, also at extreme bending radii
- Best abrasion resistance
- Very good thermal resistance
- Very good resistance to oil, fuels, vegetable and animal oils, silicones, as well as dilute alkalis and acids at room temperature

**General technical specification:**

- Material: NBR (nitrile rubber / butadiene-acrylonitrile rubber)
- Colour: black
- Shore hardness A: 70° ± 5°
- Temperature range: -20 °C to +100 °C
- Density: 1.44 g/cm<sup>3</sup>
- Tolerances: ISO 1307, DIN 7715-40



12 995



12 995

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
12995	3.2	6.4	5	95.00
12996	3.2	6.4	10	174.00
12997	4.8	9.5	5	146.00
12998	4.8	9.5	10	266.00
12999	6.4	12.7	3	110.00
13000	6.4	12.7	5	169.00
13001	9.5	15.8	3	139.00
13002	9.5	15.8	5	210.00

## TUBING TECHNOLOGY-ELASTOMERS

THOMAFLUID® NBR Chemical Tubing  
Type: THOMAPLAST® CHAP /DN/VR

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
13003	12.7	19.0	1	67.00
13004	12.7	19.0	3	167.00
13005	19.0	25.4	1	85.00
13006	19.0	25.4	3	231.00

THOMAFLUID® NBR Chemical Tubing  
Type: THOMAPLAST® DN/LEZ

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
28222	3.0	7.0	5	67.00
28223	3.0	7.0	15	151.00
24797	4.0	7.0	3	39.00
24798	4.0	7.0	9	92.00
24799	4.0	7.0	15	131.00
28224	4.0	8.0	5	75.00
28225	4.0	8.0	15	170.00
24800	5.0	8.0	3	41.00
24801	5.0	8.0	9	100.00
24802	5.0	8.0	15	136.00
28226	5.0	9.0	5	85.00
28227	5.0	9.0	15	197.00
24803	6.0	9.0	3	44.00
24804	6.0	9.0	9	113.00
24805	6.0	9.0	15	162.00
28228	6.0	10.0	5	87.00
28229	6.0	10.0	15	197.00
24806	6.0	12.0	3	59.00
24807	6.0	12.0	9	139.00
24808	6.0	12.0	15	208.00
24809	7.0	10.0	3	64.00
24810	7.0	10.0	9	126.00
24811	7.0	10.0	15	192.00



28 222



28 222

28230	7.0	11.0	5	105.00
28231	7.0	11.0	15	218.00
24812	8.0	11.0	3	69.00
24813	8.0	11.0	9	136.00
24814	8.0	11.0	15	200.00
24815	8.0	12.0	3	72.00
24816	8.0	12.0	9	187.00
24817	8.0	12.0	15	223.00
24818	10.0	14.0	3	80.00

THOMAFLUID® NBR Chemical Tubing  
Type: THOMAPLAST® DN/LEZ

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
24819	10.0	14.0	9	208.00
24820	10.0	14.0	15	266.00
28236	12.0	17.0	5	146.00
28237	12.0	17.0	15	348.00
282381	13.0	19.0	5	148.00
282382	13.0	19.0	15	350.00
28238	13.0	19.0	30	634.00



33 0105



33 0105

THOMAFLUID® NBR High-Chem  
Industrial and Chemical Tubing  
Type: THOMAPLAST® DIGK Special  
Compound

## Product specification:

- Excellent rubber-elastic properties
- Remarkable mechanical loadability
- Good resistance to aging
- Very good temperature resistance
- Resistant to mineral oils, vegetable and animal oils, e.g. colza oil as well as fuels such as kerosine or unleaded petrol

## Technical specification:

- Material: NBR (butadiene-acrylonitrile rubber)  
NBR (nitrile rubber)
- Colour: black
- Shore hardness A: 70° ± 5° (DIN 53505)
- Temperature range: -30 °C to +110 °C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
330105	13.0	19.0	4.5	45	5	145.00
330106	13.0	19.0	4.5	45	15	345.00
330107	16.0	23.0	5.5	50	5	155.00
330108	16.0	23.0	5.5	50	15	350.00
330109	19.0	27.0	7.0	75	5	185.00
330110	19.0	27.0	7.0	75	15	415.00
330111	25.0	33.0	6.5	60	5	205.00
330112	25.0	33.0	6.5	60	15	435.00

<sup>1</sup> at +20 °C

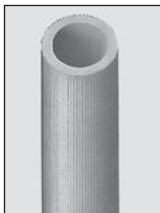
## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® NBR Double-Wall Jacket Chemical Tubing**  
**Type: THOMAPLAST® CHAP 51394**
**Product specification:**

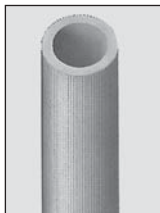
- Drainage tubing in washing machine construction
- Conveying tubing
- Inside smooth, outside with longitudinal grooves
- Very high abrasion resistance

**Technical specification:**

- Liner: NBR (nitrile rubber)
- Jacket: PVC (polyvinyl chloride)
- Colour: grey / beige
- Shore hardness A: 55° ± 5°



12 327



12 327

- Temperature range: -20°C to +50°C, for a short time +80°C
- Tolerances: DIN ISO 3302-1 E2 (DIN 7715 E2)

Cat. No.	I. D. mm	O. D. mm	Length m	Price EURO
12327	20	28	5	100.00
12328	20	28	10	187.00

**THOMAFLUID® NBR Low-Pressure Double-Wall Jacket Industrial Tubing**  
**Type: THOMAPLAST® CHAP 5138**

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Length m	Price EURO
12826	28	36	12	1	80.00
12827	28	36	12	3	218.00
12828	30	38	12	1	80.00
12829	30	38	12	3	218.00
12830	32	40	12	1	82.00
12831	32	40	12	3	223.00
12832	35	45	10	1	90.00
12833	35	45	10	3	246.00
12834	38	48	10	1	92.00



12 826



12 826

12835	38	48	10	3	254.00
12836	40	50	10	1	95.00
12837	40	50	10	3	269.00
12838	42	52	10	1	103.00
12839	42	52	10	3	284.00
12840	45	55	10	1	105.00
12841	45	55	10	3	289.00
12842	48	58	9	1	105.00
12843	48	58	9	3	289.00
12844	50	60	9	1	105.00
12845	50	60	9	3	289.00
12846	55	65	8	1	113.00
12847	55	65	8	3	305.00
12848	60	70	7	1	121.00
12849	60	70	7	3	325.00
12850	65	75	7	1	126.00
12851	65	75	7	3	335.00
12852	70	80	7	1	141.00
12853	70	80	7	3	381.00
12854	75	85	7	1	144.00
12855	75	85	7	3	389.00
12856	80	92	7	1	174.00
12857	80	92	7	3	269.00
12858	85	97	7	1	187.00
12859	85	97	7	2	338.00
12860	90	102	6	1	197.00
12861	90	102	6	2	356.00
12862	100	112	6	1	223.00
12863	100	112	6	2	399.00
12864	110	122	5	1	243.00
12865	110	122	5	2	438.00
12866	120	132	5	1	271.00
12867	120	132	5	2	486.00
12868	127	139	5	1	320.00
12869	140	154	4	1	371.00
12870	160	172	4	1	427.00

<sup>1</sup> at +20 °C
**THOMAFLUID® NBR Low-Pressure Double-Wall Jacket Industrial Tubing**  
**Type: THOMAPLAST® CHAP 5138**
**Product specification:**

- Oil and gasoline (unleaded) resistant low-pressure tubing of highest quality
- Technically usable as straight connecting piece for vibration neutralization and as correcting tube for compensating imprecisions of assembling.
- Best elastic behaviour and high abrasion resistance
- Resistance to weather and ozone

**Technical specification:**

- Liner: NBR (butadiene-acrylonitrile rubber)
- Jacket: CR (chloroprene rubber)
- Colour: black
- Temperature range: -25 °C to +100 °C, for a short time +120 °C
- Insert: two synthetic fabrics
- Design: inside and outside smooth
- Marking: white longitudinal stripe



## TUBING TECHNOLOGY-ELASTOMERS

**THOMAFLUID® NBR Low-Pressure  
Chemical Tubing  
Type: THOMAPLAST® CHAP 5261 OLNC**
**Product specification:**

- Resistant to fluids on mineral oil and glycol base, lubricants, motor lubricating oils, diesel fuels, vegetable and animal oils, silicones, dilute acids and alkalis at room temperature, cooling water, compressed air.
- Good thermal resistance
- Jacket is distinguished by good abrasion and heat resistance, high flame resistance, and excellent resistance to ozone, aging, and weather.

**Technical specification:**

- Liner: NBR (butadiene-acrylonitrile rubber)
- Jacket: CSM (chlorosulfonated polyethylene, with textile imprint)
- Colour: black
- Temperature range: -30 °C to +125 °C
- Insert: single textile fabric

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
13146	4.0	10.0	75	30	5	86.00
13147	4.0	10.0	75	30	10	156.00
13148	5.0	11.0	70	35	5	90.00
13149	5.0	11.0	70	35	10	162.00
13150	6.0	12.0	65	40	5	96.00
13151	6.0	12.0	65	40	10	168.00
13152	8.0	14.0	55	50	5	108.00
13153	8.0	14.0	55	50	10	196.00
13154	9.0	15.0	50	55	5	128.00
13155	9.0	15.0	50	55	10	230.00
13156	10.0	16.0	50	60	5	150.00
13157	10.0	16.0	50	60	10	270.00
13160	12.0	19.0	60	60	3	134.00
13161	12.0	19.0	60	60	5	198.00
13162	15.0	23.0	40	90	3	130.00
13163	15.0	23.0	40	90	5	198.00
13164	18.0	26.0	35	110	3	172.00
13165	18.0	26.0	35	110	5	256.00
13166	22.0	31.0	33	120	1	100.00



13 146



13 146

13167	22.0	31.0	33	120	3	270.00
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<sup>1</sup> at +20 °C
**THOMAFLUID® NBR Low-Pressure  
Chemical Tubing  
Type: THOMAPLAST® CHAP 5260 A**
**Product specification:**

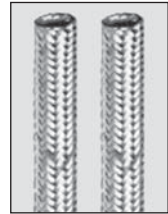
- Fuel resistant chemical and hydraulic tubing according to DIN 73379
- Resistant to fluids on mineral oil and glycol base, lubricants, vegetable and animal oils, silicones, dilute acids and alkalis at room temperature, cooling water, and compressed air.
- Good abrasion resistance
- Good thermal resistance

**Technical specification:**

- Liner: NBR (butadiene-acrylonitrile rubber)



13 127



13 127

- Jacket: pressure support made of zinc-plated steel wire braiding with marking thread metallic
- Colour: metallic
- Temperature range: -30 °C to +90 °C
- Insert: textile fabric, from DN 16 onwards additionally fitted with a steel wire coil

Cat. No.	I. D. mm	O. D. mm	Max. operating pressure <sup>1</sup> bar	Bending radius mm	Length m	Price EURO
13127	4.5	9.0	20	25	5	67.00
13128	4.5	9.0	20	25	10	126.00
13129	5.6	10.5	20	30	5	75.00
13130	5.6	10.5	20	30	10	144.00
13131	7.5	12.5	15	40	5	82.00
13132	7.5	12.5	15	40	10	156.00
13133	9.5	14.5	15	50	5	90.00
13134	9.5	14.5	15	50	10	167.00
13135	11.8	17.5	10	70	5	105.00
13136	11.8	17.5	10	70	10	195.00
13137	15.3	22.0	15	80	5	133.00
13138	15.3	22.0	15	80	10	243.00
13139	17.0	26.0	10	100	5	177.00
13140	17.0	26.0	10	100	10	292.00
13141	22.0	29.0	10	150	3	151.00
13142	22.0	29.0	10	150	5	228.00

<sup>1</sup> at +20 °C

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**THOMAFLUID® High-Chem HD PE**  
**Chemical Tubing**  
**Type: THOMAPLAST® High Density**



**Reichelt  
 Chemietechnik  
 GmbH + Co.**

**Application areas:**

- Apparatus construction
- Process engineering
- Gas engineering
- Chemical engineering

**Product specification:**

- High density
- Good weldable (laboratory and container building)
- Hardly absorbs water
- Floats on the water
- Very low permeability to gas and steam
- Good mechanical stability
- High elongation at break and viscosity
- Good sliding behaviour at minimum wear
- Good dimensional stability
- Very good electric and dielectric properties
- Burns well and without residue (CO<sub>2</sub> + H<sub>2</sub>O as combustion products)
- Good chemical resistance to nearly all polar solutions, acids, alkalis, alcohols, oils and petrols.

**Technical specification:**

- Colours: white, black, red, green, blue, yellow
- Material: HDPE (high density polyethylene)
- Shore hardness D: 66° according to DIN 53505
- Temperature range: -50 °C to +100 °C
- Density: 0.94-0.97 g/cm<sup>3</sup>
- Operating pressure: 16 bar at 20 °C related to all types
- Elastic modulus: ~1500 N/mm<sup>2</sup> at 23 °C
- Softening temperature: +135 °C
- Flammability test: HB according to UL 94
- UV-resistant: colour code: black

**Order specification:**

Cat. No.	I. D. mm	O. D. mm	Bending radius mm	Colour code	Length m	Price EURO
412536	4.0	6.0	30	white	5	32.00
412537	4.0	6.0	30	white	15	76.00
412538	4.0	6.0	30	black	5	32.00
412539	4.0	6.0	30	black	15	76.00
412540	4.0	6.0	30	red	5	32.00
412541	4.0	6.0	30	red	15	76.00
412542	4.0	6.0	30	green	5	32.00
412543	4.0	6.0	30	green	15	76.00
412544	4.0	6.0	30	blue	5	32.00
412545	4.0	6.0	30	blue	15	76.00
412546	4.0	6.0	30	yellow	5	32.00
412547	4.0	6.0	30	yellow	15	76.00
412548	6.0	8.0	40	white	5	36.00
412549	6.0	8.0	40	white	15	88.00
412550	6.0	8.0	40	black	5	36.00
412551	6.0	8.0	40	black	15	88.00
412552	6.0	8.0	40	red	5	36.00
412553	6.0	8.0	40	red	15	88.00
412554	6.0	8.0	40	green	5	36.00
412555	6.0	8.0	40	green	15	88.00
412556	6.0	8.0	40	blue	5	36.00
412557	6.0	8.0	40	blue	15	88.00
412558	6.0	8.0	40	yellow	5	36.00
412559	6.0	8.0	40	yellow	15	88.00

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