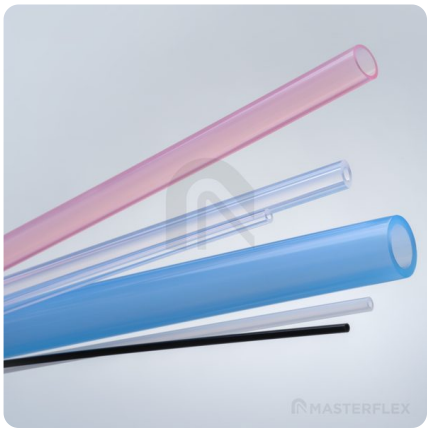


AP-Tube FEP

Standard FEP tubing for many different industrial applications.

flame retardant | food approved | spiral-free | metal-free | resistant to chemicals

Product Details

Key facts

- Product Advantages: heat- and steam-resistant material, non-toxic, physiologically harmless, material with excellent non-stick properties, material is non-stick and therefore easy to clean, NSF/ANSI 51 approval (depending on the product type), USP Class VI compliant product types available, food compliant (FDA/EU...) depending on the product type, Highest transparency of fully fluorinated plastics, good weldability, tubes are autoclavable or steam sterilisable, co-extrusion with coloured or functional stripes possible

Construction / Material

- Type of construction: extruded hose without metal spiral
- Material of the wall: fully fluorinated plastic FEP (fluorinated ethylene propylene)
- Specifications of the wall: non-flammable (UL 94: V0)

Properties

- Chemical Properties: good resistance to solvents, good UV resistance, weather-resistant, free from paint wetting impairment substances (LABS), chemical inertness, good resistance to aggressive chemicals
- Mechanical Properties: high hardness and wear resistance, very low sliding and static friction expressed by a low coefficient of friction, high elongation at break
- Physical Properties: low permeation, low surface energy, good dielectric properties
- Colour: other colours available according to the RAL colour chart
- Other: resistance to harsh environment

Operating Temperature

- Temperature Range: -200to 205°C

Delivery Information

- Delivery, type of production: wide range of standard dimensions available from stock, apecial dimensions available on request, tubes with an outer diameter of less than 2 mm, supplied on plastic spools, larger diameters are supplied in rolls of 50 or 100 m as standard, we generally supply hoses with an external diameter of less than 2,00 mm on plastic reels, available in customised ring lengths, wound on spools or in sections

Application Areas

- Areas of application: Automotive, Industry, Painting Technology, Food & Pharma, aviation technology, Plant & Mechanical Engineering, Medical Technology

Article Variants

Article number	Nominal Size (DN) in mm	Inner diameter in mm	Outer diameter in mm	Bending radius* in mm	Wall thickness in mm	Tolerance inner & outer diameter in mm	Wall thickness tolerance in mm	Theoretical burst pressure in bar
009342	0.8	0.8	1.6	7	0.4	+/-0.05	0.4	81.0
009345	1.0	1.0	2.0	8	0.5	+/-0.05	0.5	81.0
/	1.0	1.0	3.0	9	1.0	+/-0.10	1.0	108.0
009219	1.6	1.6	3.2	13	0.8	+/-0.10	0.8	81.0
009220	2.0	2.0	3.0	18	0.5	+/-0.10	0.5	54.0
009348	2.0	2.0	4.0	16	1.0	+/-0.10	1.0	81.0
011235	3.0	3.0	5.0	25	1.0	+/-0.10	1.0	64.8
009369	4.0	4.0	6.0	36	1.0	+/-0.10	1.0	54.0
009354	6.0	6.0	8.0	64	1.0	+/-0.10	1.0	40.5
009355	6.0	6.0	9.0	54	1.5	+/-0.10	1.5	54.0
009361	8.0	8.0	10.0	100	1.0	+/-0.10	1.0	32.4
009364	9.0	9.0	12.0	96	1.5	+/-0.10	1.5	40.5
009373	10.0	10.0	12.0	144	1.0	+/-0.10	1.0	27.0
009270	12.0	12.0	14.0	196	1.0	+/-0.15	1.0	23.1
009271	12.0	12.0	15.0	150	1.5	+/-0.15	1.5	32.4
/	14.0	14.0	16.0	256	1.0	+/-0.15	1.0	20.3
/	16.0	16.0	18.0	324	1.0	+/-0.15	1.0	18.0
/	18.0	18.0	20.0	400	1.0	+/-0.15	1.0	16.2
/	20.0	20.0	22.0	484	1.0	+/-0.15	1.0	14.7

Data sheet FEP tubings, metric
The minimum bending radius specifications for our tubings are partly theoretical and represent typical values at 23 °C. The specifications are provided for comparison purposes only and do not represent guaranteed properties. They must be verified by the user.
The burst pressure specifications for our tubings are partly theoretical and are based on the unit bar at a room temperature of 23 °C. The values are used for product comparison purposes, but do not represent guaranteed properties of our products. Pressure resistance decreases as temperatures rise. For safe operation, we recommend maintaining at least three times the safety margin (max. operating pressure = space pressure at the corresponding operating temperature /3).

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

Product requests via: **https://www.masterflex-slang.nl/**

Headquarters for your sales area

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