



Master-Tube PVDF

PVDF hose especially chemical and temperature resistant

Product Details

Construction / Material

- Type of construction: extruded hose without metal spiral
- Execution of the wall: made of highly abrasion-resistant material, made of a material that is insensitive to stress corrosion cracking, extruded, made of a material with dielectric properties
- Specifications of the wall: Flame resistance tested according to UL 94 V2 - V0, approved for direct food contact according to EU Directive 1935/2004, 10/2011 and its latest amending Directives, Material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010

Properties

- Chemical Properties: very good resistance to chemicals, good resistance to solvents, good resistance to oil, good UV resistance, hydrolysis resistant, microbe-resistant, plasticiser-free, free from paint wetting impairment substances (LABS)
- Mechanical Properties: High surface hardness
- Physical Properties: low water absorption
- Colour: nature

Operating Temperature

- Temperature Range: -40 - 150

Delivery Information

- Delivery, type of production: Outer diameter: 4.0 - 12.0 mm, Inner diameter: 2.0 - 10.0 mm

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, Aerospace technology, Bulk & Construction, Sea & rail transport, Chemistry, Surface Technology, Food & Pharma, Plastics, Conveying, lifting & feeding technology, White goods, Textile, Printing & Paper,

Vehicle construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): Shaped hose, Rolls, cut-to-size sections

Article Variants

Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Operating pressure bar	Inner diameter mm	Wall thickness mm	Tolerance inner & outer diameter mm	Weight g/m
2	4	10	111 *	2	1	± 0.10	17
4	6	25	72.00	4	1	± 0.10	28
6	8	43	53.00	6	1	± 0.10	39
8	10	75	41.00	8	1	± 0.10	50
10	12	85	32.00	10	1	± 0.10	62

All data refer to a medium and ambient temperature of 23°C

* Smallest bending radius, related to the inside of the hose bend.

Operating pressure is given with a 3-fold safety factor and applies to the medium air, calculated values are marked with *.

Delivery Variants

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

Individual consultation

We offer consultation by phone:
+49 209 97077-112

Product requests via
Masterflex.de

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

