



Master-Tube PE-LD

PE tubing for industrial and pneumatic applications, highly flexible, excellent chemical resistance

spiral-free

metal-free

Product Details

Key facts

- Product Advantages: the material is physiologically safe (complies with Recommendation III of the BGA and the FDA's requirements set out in 21 CFR 177.1520(c) 22 and EU Regulation No. 10/2011)

Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Specifications of the wall: 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

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: good resistance to chemicals, good resistance to solvents, good UV resistance, halogen-free, hydrolysis resistant, microbe-resistant, plasticiser-free, free from paint wetting impairment substances (LABS)
- Physical Properties: low water absorption

Operating Temperature

- Temperature Range: -30to 70°C

Delivery Information

- Delivery, type of production: inner diameter: 1.0 - 41.0 mm, outer diameter: 2.0 - 42.6 mm

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, aviation technology, Bulk & Construction, Sea & Rail transport, Chemistry, Surface Technology, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours, rolls, cut-to-size sections

Article Variants

Nominal Size (DN) in mm	Inner diameter in mm	Outer diameter in mm	Bending radius* in mm	Weigth in g/m	Operating pressure in bar	Wall thickness in mm	Tolerance inner & outer diameter in mm
2	2	4	20	8.7	24	1.0	± 0.10
3	3	5	25	11.6	18	1.0	± 0.10
4	4	6	30	14.5	14	1.0	± 0.10
5	5	8	40	28.3	16	1.5	± 0.10
6	6	8	40	20.3	10	1.0	± 0.10
6	6	10	50	46.4	18	2.0	± 0.10
7	7	10	50	37.0	12	1.5	± 0.10
8	8	10	40	26.1	8	1.0	± 0.10
9	9	12	60	45.7	10	1.5	± 0.10
10	10	12	60	31.9	6	1.0	± 0.10
10	10	14	80	69.7	12	2.0	± 0.15
12	12	16	90	81.3	10	2.0	± 0.15
14	14	18	120	92.9	9	2.0	± 0.15

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.

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

Masterflex SE

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