



Master-Tube PE Ultra

Abrasion-resistant hose with low coefficient of friction and good chemical resistance; especially suitable for feeding technology and the chemical industry



spiral-free



metal-free



moderately
flexible



pressure
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 specified material / made of a material that is insensitive to stress corrosion cracking / made of a material with a low coefficient of friction / extruded
- Material of the wall: Ultra High Molecular Weight Polyethlyene (UHMWPE)

Properties

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: very good resistance to chemicals / good resistance to solvents / halogen-free / good resistance to hydrolysis / silicone-free / plasticiser-free
- Mechanical Properties: high surface hardness
- Flexibility: moderately flexible
- Physical Properties: flexible at low temperatures / low water absorption
- Pressure Resistance: pressure resistant
- Colour: blue / black / transparent

Operating Temperature

- Temperature Range: -40 to 80 °C

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: Automotive / Robotics & Automation / Chemistry / Conveying, lifting & feeding technology / Painting Technology

Customizing Options

- optional item modification (on request): multiple hose / spiral version / 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	20	57*	2	/	± 0.10	9.1
2.5	4	20	40	2.5	0.75	± 0.10	7.4
3	5	25	44*	3	/	± 0.10	12.1
4	6	25	38	4	/	± 0.10	15.2
5	8	40	40*	5	1.5	± 0.10	29.6
5.7	8	40	32	5.7	1.25	± 0.10	23.9
6	8	40	25*	6	/	± 0.10	21.2
6	10	50	44*	6	2.00	± 0.10	48.6
7	10	50	31*	7	1.5	± 0.10	38.7
8	10	40	19*	8	/	± 0.10	27.3
9	12	60	25*	9	1.50	± 0.15	47.8
10	12	60	18	10	/	± 0.15	33.4

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 97077-112

Product requests via
masterflex.de/en

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

