



## Master-Tube PEX

Significantly improved stress crack resistance and extremely better tear propagation resistance. Better low temperature impact strength and improved creep resistance.



spiral-free



metal-free

### Product Details

#### Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Execution of the wall: made of specified material / extruded /  
 klassifikation://{r=0,b=0,l=en\_US}/1/2/3/869/870/36/4812/5413
- Material of the wall: radiation crosslinked polyethylene low density

#### Properties

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: good resistance to chemicals
- Physical Properties: low permeation values for water, water vapour and gases
- Colour: blue

#### Operating Temperature

- Temperature Range: -40 to 85 °C

#### Delivery Information

#### Application Areas

- Areas of application: Agriculture / Plant & Mechanical Engineering / Robotics & Automation / Surface Technology

## Customizing Options

- optional item modification (on request): other colours / other nominal widths / 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	24.1*	2	1	± 0.10	0.087
3	5	25	18.0*	3	1	± 0.10	0.116
4	6	30	14.4*	4	1	± 0.10	0.146
5	8	40	16.6*	5	1,5	± 0.10	0.284
6	8	40	10.3*	6	1	± 0.10	0.204
6	10	50	18.0*	6	2	± 0.10	0.466
7	10	50	12.7*	7	1,5	± 0.10	0.371
8	10	40	8.0*	8	1	± 0.10	0.262
9	12	60	10.30	9	1,5	± 0.15	0.459
10	12	60	6.5*	10	1	± 0.15	0.320
10	14	80	12.00	10	2	± 0.15	0.699
12	16	90	10.3*	12	2	± 0.20	0.815
14	18	120	9.0*	14	2	± 0.20	0.932

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 97077-112

Product requests via  
[masterflex.de/en](https://www.masterflex.de/en)

### Address Headquarters

Masterflex SE  
Willy-Brandt-Allee 300  
45981 Gelsenkirchen

