



XFlame hydro®

PU media tubing, highly elastic, flame-retardant, resistant to welding spatter, self-extinguishing, abrasion-resistant, microbe-resistant and hydrolysis-resistant, halogen-free

flame retardant | spiral-free | metal-free

Product Details

Key facts

- Product Advantages: drag chain compatible, resistant to welding spatter, tight bending radii are possible without any risk of kinking, self-extinguishing in case of fire

Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Execution of the wall: made of highly abrasion-resistant material
- Specifications of the wall: flame resistance tested according to UL 94 V2 - V0

Properties

- Chemical Properties: good resistance to oil, good UV resistance, hydrolysis resistant, microbe-resistant, plasticiser-free, free from paint wetting impairment substances (LABS), halogen-free in accordance with EN 50267-2-1 (corresponds to IEC 60754-1)
- Mechanical Properties: small bending radius, kink-resistant, elastic behaviour under mechanical stress, high mechanical strength and impact resistance
- Physical Properties: flexible at low temperatures, good damping behaviour, good dielectric properties

Operating Temperature

- Temperature Range: -40to 90°C

Delivery Information

- Delivery, type of production: inner diameter: 2.0 - 11.0 mm, outer diameter: 4.0 - 16.0 mm

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, aviation technology, 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, printable, multiple hose, spiral version, shaped hose, 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	Wall thickness tolerance in mm	Tolerance outer diameter in mm
2	2	4	7	11.9	18.00	1	-0.15	+/- 0.10
4	4	6	8	19.8	12.00	1	-0.15	+/- 0.10
4	4	8	9	47.5	21.00	2	+0.05 / -0.10	+/- 0.15
6	6	10	15	63.3	17.00	2	+/- 0.10	+/- 0.15
8	8	12	26	79.2	12.00	2	+0.15 /-0.05	+/- 0.15
10	10	14	38	95	10.00	2	+0.15 /-0.05	+/- 0.15
11	11	16	48	133.6	12.00	2,5	+0.15 /-0.05	+/- 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

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