



XFlame®

Flame retardant PU hose, welding splash resistant, self-extinguishing, abrasion resistant



flame retardant



spiral-free



metal-free

Product Details

Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Execution of the wall: made of highly abrasion-resistant material
- Material of the wall: PUR 54 Shore D
- Specifications of the wall: flame resistance tested according to UL 94 V2 - V0

Properties

- Chemical Properties: good resistance to oil / good UV resistance / halogen-free / hydrolysis resistant / microbe-resistant / plasticiser-free / good resistance to fats / free from paint wetting impairment substances (LABS)
- Mechanical Properties: small bending radius / kink-resistant / elastic behaviour under mechanical stress / material is resistant to stress corrosion cracking / high mechanical strength and impact resistance
- Physical Properties: good dielectric properties

Operating Temperature

- Temperature Range: -40 to 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) mm	Outer diameter mm	Bending radius* mm	Operating pressure bar	Inner diameter mm	Wall thickness mm	Tolerance inner & outer diameter mm	Wall thickness tolerance mm	Weight g/m
2	4	7	24	2	1.0	± 0.10	- 0.15	12.0
4	6	8	16	4	1.0	+/- 0,10	-0.15	19.9
4	8	9	24	4	2.0	+/-0,15	+0.05/-0.10	47.9
6	10	15	20	6	2.0	+/- 0,15	+/- 0.10	63.8
8	12	26	14	8	2.0	+/- 0,15	+0.15/-0.05	79.8
10	14	38	13	10	2.0	+/- 0,15	+0.15/-0.05	95.8
11	16	48	14	11	2.5	+/- 0,15	+0.15/-0.05	134.7

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

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