



Polderflex PVC

Article Master No.: 000446

PVC Suction Hose & Transport Hose, pressure & vacuum proof, cadmium-free, flexible



microbe resistant | hydrolysis resistant | moderately flexible | heavy | very pressure resistant

Product Details

Key facts

- Product Advantages: non-toxic, physiologically harmless

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of specified material, wall thickness between the spirals approx. 3 - 10 mm, depending on DN
- Material of the wall: soft PVC
- Specifications of the wall: approved for direct food contact in categories A / B / C, in accordance with EU Directive 1935/2004; 10/2011 and its most recent amendments, use for a maximum of 10 hours at a maximum temperature of 40 °C, not suitable for foodstuffs in categories D1, D2 and E

Properties

- Specifications of the product: manufacturing process according to GMP EC 2023/2006
- Chemical Properties: good resistance to alkaline solutions, good resistance to oil, good resistance to acids
- Flexibility: moderately flexible
- Weight: heavy

- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance

Operating Temperature

- Temperature Range: -20to 70°C
- short-term maximum temperature: peaks to 80 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

Application Areas

- Areas of application: Bulk & Construction, Sea & Rail transport, Wood, Chemistry, Food & Pharma, Plastics, Vehicle Construction

Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000446:13:x	13	19	26	0.22	9.00	0.88	50.00	50	50
000446:16:x	16	22	32	0.27	9.00	0.88	50.00		50
000446:19:x	19	26	38	0.35	8.00	0.88	50.00		30 / 50
000446:20:x	20	27	40	0.34	8.00	0.88	50.00		50
000446:25:x	25	33	50	0.52	8.00	0.88	50.00	50	50
000446:32:x	32	40	64	0.66	8.00	0.88	50.00		30 / 50
000446:38:x	38	47	76	0.80	7.00	0.88	50.00		30 / 50
000446:40:x	40	50	80	0.95	7.00	0.88	50.00	30	50
000446:45:x	45	55	90	1.15	6.00	0.88	30.00		30
000446:51:x	51	62	102	1.35	5.00	0.88	50.00		30 / 50
000446:60:x	60	72	120	1.75	5.00	0.88	50.00		30 / 50
000446:63:x	63	75	126	1.80	5.00	0.88	50.00		50
000446:76:x	76	89	152	2.30	4.00	0.88	50.00	30	30
000446:90:x	90	104	270	2.95	4.00	0.88	30.00		30
000446:102:x	102	117	306	3.75	3.00	0.88	30.00		20
000446:127:x	127	143	381	4.80	3.00	0.88	30.00		15
000446:152:x	152	170	456	6.50	2.00	0.88	20.00		15

All data refer to a medium and ambient temperature of +20°C.
Specification of the bending radius related to the inside of the hose bend
Subject to technical changes and colour deviations

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)).

Suitable for the product



Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



Heat Shrink Cuff
Heat shrink sleeve for easy connection and sealing of hoses



Hose Clamp with Worm-Gear
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



Hose Clamp with Worm-Gear, Steel quality W4, stainless steel 1.4301
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



Hose Clamp with Bolts
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units



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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