



Polderflex PVC

Article Master No.: 000446

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



hydrolysis
resistant



microbe
resistant



flame
retardant



moderate
flexible



heavy



very
pressure
resistant

Product Details

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 of categories A, B, C, E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives

Properties

- Specifications of the product: Manufacturing process according to GMP EC 2023/2006
- Chemical Properties: atoxic, physiologically harmless, good resistance to oil, good resistance to alkaline solutions, 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: -20 - 70
- short-term maximum temperature: peaks to 80 °C

Delivery Information

- Delivery, type of production: Various nominal widths in standard lengths are available ex-production, individual nominal widths 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	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000446:13:x	000446	13	19	26	0.22	9.00	0.88	50.00	50
000446:16:x	000446	16	22	32	0.27	9.00	0.88	50.00	30
000446:19:x	000446	19	26	38	0.35	8.00	0.88	50.00	30
000446:20:x	000446	20	27	40	0.34	8.00	0.88	50.00	30
000446:25:x	000446	25	33	50	0.52	8.00	0.88	50.00	50
000446:32:x	000446	32	40	64	0.66	8.00	0.88	50.00	30
000446:38:x	000446	38	47	76	0.80	7.00	0.88	50.00	30
000446:40:x	000446	40	50	80	0.95	7.00	0.88	50.00	30
000446:45:x	000446	45	55	90	1.15	6.00	0.88	50.00	30
000446:51:x	000446	51	62	102	1.35	5.00	0.88	50.00	30
000446:60:x	000446	60	72	120	1.75	5.00	0.88	50.00	30
000446:63:x	000446	63	75	126	1.80	5.00	0.88	50.00	
000446:76:x	000446	76	89	152	2.30	4.00	0.88	30.00	30
000446:80:x	000446	80	93	160	2.58	4.00	0.88	30.00	
000446:90:x	000446	90	104	270	2.95	4.00	0.88	30.00	
000446:102:x	000446	102	117	306	3.75	3.00	0.88	20.00	
000446:127:x	000446	127	143	381	4.80	3.00	0.88	15.00	
000446:152:x	000446	152	170	456	6.50	2.00	0.88	15.00	

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.

Possible Connection Elements



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

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