



Polderflex PUR

Article Master No.: 000187

PU Sution hose & Transport Hose, extremely pressure and vacuum resistant, smooth inner and outer linings

transparent | moderately 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 pure material, made of specified material, wall thickness 3 - 5 mm, depending on DN
- Material of the wall: polyester polyurethane
- Specifications of the wall: according to DIN ISO 4649, the material is more abrasion-resistant than rubber (approx. a factor of 4) or soft PVC (approx. a factor of 3)

Properties

- Chemical Properties: halogen-free, good resistance to chemicals, good UV resistance, good resistance to petrol, good resistance to oil, good ozone resistance, plasticiser-free
- Mechanical Properties: excellent mechanical tensile strength and tear resistance
- Flexibility: moderately flexible
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: transparent

- Other: high vacuum and good pressure resistance, largely smooth inside, smooth on the outside, longer service life

Operating Temperature

- Temperature Range: -40to 90°C
- short-term maximum temperature: peaks to 125 °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: Industry, Bulk & Construction, Chemistry, Food & Pharma, Plastics, Printing & Paper, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours, 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	Length (standard lengths available for order) in m
000187:32:x	32	41,5	160	0.88	5.75	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:38:x	38	47,5	190	1.03	5.63	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:40:x	40	49,5	200	1.07	5.50	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:45:x	45	54,5	225	1.20	5.38	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:51:x	51	62,5	250	1.25	5.25	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:60:x	60	71,5	300	1.44	5.13	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:65:x	65	76,5	325	1.56	5.10	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:70:x	70	81,5	350	1.77	5.05	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:75:x	75	87	375	1.90	5.00	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:76:x	76	87,5	380	1.92	5.00	0.93	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:80:x	80	91,5	400	2.01	4.50	0.88	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:102:x	102	113	600	3.10	4.13	0.86	20.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:127:x	127	138,5	700	3.85	3.25	0.64	10.00	2.5 / 5 / 7.5 / 10 / 15 / 20
000187:152:x	152	164	800	4.59	2.13	0.42	10.00	2.5 / 5 / 7.5 / 10 / 15 / 20

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



Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301
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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