



## Polderflex PUR

Article Master No.: 000187

**PU Suction 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: material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649

#### 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 tensile and tear strength
- 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: -40 - 90
- short-term maximum temperature: peaks to 125 °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: 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	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	Length (standard lengths available for order) m
000187:32:x	000187	32	41,5	160	0.88	5.75	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:38:x	000187	38	47,5	190	1.03	5.63	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:40:x	000187	40	49,5	200	1.07	5.50	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:45:x	000187	45	54,5	225	1.20	5.38	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:51:x	000187	51	62,5	250	1.25	5.25	0.93	20.00	2.50, 5, 7.50, 10	2.5, 5, 7.5, 10, 15, 20
000187:60:x	000187	60	71,5	300	1.44	5.13	0.93	20.00	2.50, 5, 7.50, 10	2.5, 5, 7.5, 10, 15, 20
000187:65:x	000187	65	76,5	325	1.56	5.10	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:70:x	000187	70	81,5	350	1.77	5.05	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:75:x	000187	75	87	375	1.90	5.00	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:76:x	000187	76	87,5	380	1.92	5.00	0.93	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:80:x	000187	80	91,5	400	2.01	4.50	0.88	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:102:x	000187	102	113	600	3.10	4.13	0.86	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:127:x	000187	127	138,5	700	3.85	3.25	0.64	20.00	/	2.5, 5, 7.5, 10, 15, 20
000187:152:x	000187	152	164	800	4.59	2.13	0.42	20.00	/	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)).

## Possible Connection Elements



**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



**Metal Cone Flange**  
metal cone flange based on DIN 3016

### Individual consultation

We offer consultation by phone:  
+49 209 97077-112

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

### Address Headquarters

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