



## Polderflex PUR

Article Master No.: 000187

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



transparen  
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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 polyether 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: 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
000187:32:x	000187	32	41,5	160	0.88	5.75	0.93	20.00	
000187:38:x	000187	38	47,5	190	1.03	5.63	0.93	20.00	
000187:40:x	000187	40	49,5	200	1.07	5.50	0.93	20.00	
000187:45:x	000187	45	54,5	225	1.20	5.38	0.93	20.00	
000187:51:x	000187	51	62,5	250	1.25	5.25	0.93	20.00	2.50, 5.00, 7.50, 10
000187:60:x	000187	60	71,5	300	1.44	5.13	0.93	20.00	2.50, 5.00, 7.50, 10
000187:65:x	000187	65	76,5	325	1.56	5.10	0.93	20.00	
000187:70:x	000187	70	81,5	350	1.77	5.05	0.93	20.00	
000187:75:x	000187	75	87	375	1.90	5.00	0.93	20.00	
000187:76:x	000187	76	87,5	380	1.92	5.00	0.93	20.00	
000187:80:x	000187	80	91,5	400	2.01	4.50	0.88	20.00	
000187:102:x	000187	102	113	600	3.10	4.13	0.86	20.00	
000187:127:x	000187	127	138,5	700	3.85	3.25	0.64	20.00	
000187:152:x	000187	152	164	800	4.59	2.13	0.42	20.00	

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 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://www.masterflex.de/en)

### Address Headquarters

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