



## Polderflex PUR Food A

Article Master No.: 000189

PU Suction & Transport Hose, extremely pressure/vacuum-proof, smooth inner and outer linings, permanently antistatic, food-grade quality acc. to EU 10/2011 and FDA



antistatic

hydrolysis resistant

food approved

microbe resistant

transparent

moderately flexible

heavy

very pressure resistant

### Product Details

#### Construction / Material

- Type of construction: Profile extruded hose with metal spiral
- Spiral Design: made from stainless steel wire
- Material of the spiral: Stainless steel 1.4310, Spring steel
- Execution of the wall: made of pure material, made of specified material, Addition of a non-migrating permanent antistatic agent, Wall thickness 3 - 5 mm, depending on DN
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: Surface resistance  $R_0 < 10^9$  Ohm, Material complies with food regulations FDA 21 CFR § 177.2600 and 21 CFR § 177.1680, approved for direct food contact category E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives

#### Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2., Manufacturing process according to GMP EC 2023/2006
- Chemical Properties: microbe-resistant, odourless and tasteless, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: moderately flexible

- Physical Properties: permanently antistatic
- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: high vacuum and good pressure resistance, largely smooth inside

**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: Bulk & Construction, Chemistry, Food & Pharma, Plastics

**Customizing Options**

- optional item modification (on request): other lengths, other nominal widths, other colours, 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
000189:32:x	000189	32	41,5	160	0.88	5.75	0.93	20.00	
000189:38:x	000189	38	47,5	190	1.03	5.63	0.93	20.00	
000189:40:x	000189	40	49,5	200	1.07	5.50	0.93	20.00	
000189:51:x	000189	51	62,5	250	1.25	5.25	0.93	20.00	2.50, 5, 7.50, 10
000189:60:x	000189	60	71,5	300	1.44	5.13	0.93	20.00	
000189:65:x	000189	65	76,5	325	1.56	5.10	0.93	20.00	5, 10
000189:70:x	000189	70	81,5	350	1.77	5.05	0.93	20.00	
000189:76:x	000189	76	87,5	380	1.92	5.00	0.93	20.00	10
000189:80:x	000189	80	91,5	400	2.01	4.50	0.88	20.00	10
000189:100:x	000189	100	111	580	3.00	4.16	0.86	20.00	
000189:102:x	000189	102	113	600	3.10	4.13	0.86	20.00	2.50, 5, 7.50, 10
000189:127:x	000189	127	138,5	700	3.85	3.25	0.64	20.00	
000189:150:x	000189	150	162	792	4.53	2.22	0.44	20.00	
000189:152:x	000189	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

### 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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