



Polderflex PUR Food

Article Master No.: 000188

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



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, wall thickness 3 - 5 mm, depending on DN
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010, approved for direct food contact of categories A, B, C, D1, D2, 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

- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: transparent
- Other: largely smooth inside, smooth on the outside, high vacuum and good pressure resistance

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 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
000188:32:x	000188	32	41,5	160	0.88	5.75	0.93	20.00	/
000188:38:x	000188	38	47,5	190	1.03	5.63	0.93	20.00	/
000188:40:x	000188	40	49,5	200	1.07	5.50	0.93	20.00	/
000188:50:x	000188	50	61,5	245	1.23	5.27	0.93	20.00	/
000188:51:x	000188	51	62,5	250	1.25	5.25	0.93	20.00	/
000188:60:x	000188	60	71,5	300	1.44	5.13	0.93	20.00	/
000188:65:x	000188	65	76,5	325	1.56	5.10	0.93	20.00	/
000188:70:x	000188	70	81,5	350	1.77	5.05	0.93	20.00	/
000188:76:x	000188	76	87,5	380	1.92	5.00	0.93	20.00	/
000188:80:x	000188	80	91,5	400	2.01	4.50	0.88	20.00	/
000188:100:x	000188	100	111	580	3.00	4.16	0.86	20.00	/
000188:102:x	000188	102	113	600	3.10	4.13	0.86	20.00	/
000188:127:x	000188	127	138,5	700	3.85	3.25	0.64	20.00	/
000188:152:x	000188	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.

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

Individual consultation

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

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

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

