



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: approved for direct food contact category E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives, surface resistance $R_0 < 10^9$ Ohm, measured according to DIN EN ISO 8031, material complies with food regulations FDA 21 CFR § 177.2600 and 21 CFR § 177.1680

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, see « Downloads and Certificates «, 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: -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: 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	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	Stock Lengths in m	Length (standard lengths available for order) in m
000189:32:x	32	41.5	160	0.88	5.75	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:38:x	38	47.5	190	1.03	5.63	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:40:x	40	49.5	200	1.07	5.50	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:51:x	51	62.5	250	1.25	5.25	0.93	20.00	2,5 / 5 / 10	7,5 / 15 / 20
000189:60:x	60	71.5	300	1.44	5.13	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:65:x	65	76.5	325	1.56	5.10	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:70:x	70	81.5	350	1.77	5.05	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:76:x	76	87.5	380	1.92	5.00	0.93	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:80:x	80	91.5	400	2.01	4.50	0.88	20.00	10	2,5 / 5 / 7,5 / 15 / 20
000189:100:x	100	111	580	3.00	4.16	0.86	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:102:x	102	113	600	3.10	4.13	0.86	20.00	5 / 10	2,5 / 7,5 / 15 / 20
000189:127:x	127	138.5	700	3.85	3.25	0.64	10.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:150:x	150	162	792	4.53	2.22	0.44	10.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000189:152: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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