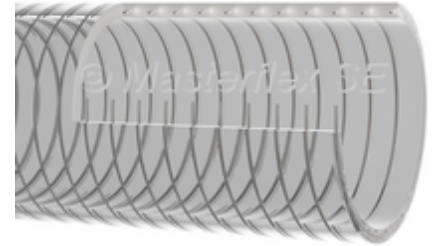


## Polderflex PUR Food A

**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**



### Technical Drawing



### Connections



### Construction



### Material

- spiral: spring steel wire (stainless steel 1.4310)
- wall: pure polyether polyurethane, food-grade (FDA), with non-migratory permanent antistatic agent
- wall thickness 3-5 mm depending on DN

### Applications

- Pharmaceutical industry
- Chemicals industry
- Food industry

### Properties

- Manufacturing process according to GMP EC 2023/2006
- The hose conforms with EU Guideline 10/2011
- Approved for food-grade category: E (contact duration acc. to Test Report)
- The material of the wall complies with the FDA food regulations 21 CFR § 177.1680 and 21 CFR § 177.2600
- surface resistance  $10^9$  Ohm

- extra heavyweight
- flexible
- halogen free
- optimum flow characteristics
- microbe and hydrolysis-resistant
- odourless/tasteless
- good chemical resistance
- increased pressure and vacuum resistance
- generally good UV and ozone resistance
- high tensile strength
- highly abrasion-resistant

#### Temperature Range

- -40°C to +90°C
- peaks to +125°C

#### Product Variations (\*\*Please replace "x" with your desired hose length.)

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	old article no.	**new article no.	stock length	max. production length
	bar	bar	mm	mm	kg			m	m
32	5,75	0,93	160	41,5	0,88	118-032-581	000189:32:x	/	20
38	5,625	0,93	190	47,5	1,03	118-038-581	000189:38:x	/	20
40	5,5	0,93	200	49,5	1,07	118-040-581	000189:40:x	/	20
50	5,27	0,93	245	61,5	1,23	118-050-581	000189:50:x	/	20
51	5,25	0,93	250	62,5	1,25	118-051-581	000189:51:x	2,5/5/7,5/10	20
60	5,125	0,93	300	71,5	1,44	118-060-581	000189:60:x	/	20
65	5,1	0,93	325	76,5	1,56	118-065-581	000189:65:x	5/10	20
70	5,05	0,93	350	81,5	1,77	118-070-581	000189:70:x	/	20
75	5,01	0,93	375	86,5	1,9	118-075-581	000189:75:x	/	20
76	5	0,93	380	87,5	1,92	118-076-581	000189:76:x	5/10	20
80	4,5	0,88	400	91,5	2,01	118-080-581	000189:80:x	10	20
100	4,16	0,86	580	111	3	118-100-581	000189:100:x	/	20
102	4,125	0,86	600	113	3,1	118-102-581	000189:102:x	2,5/5/7,5/10	20
125	3,32	0,66	692	136	3,79	118-125-581	000189:125:x	/	20
127	3,25	0,64	700	138,5	3,85	118-127-581	000189:127:x	/	20
150	2,22	0,44	792	162	4,53	118-150-581	000189:150:x	/	20
152	2,125	0,42	800	164	4,59	118-152-581	000189:152:x	/	20

All data refers to a medium and ambient temperature of +20 °C.  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

#### Available on request

- Available on request in other lengths, sizes.