

Master-PUR L Food A

PU Suction & Transport Hose, light duty, highly flexible, food-grade quality acc. to EU 10/2011 and FDA, permanently antistatic



Technical Drawing



Connections



Construction



Material

- spiral: anti-rust spring steel wire (material no. 1.4310)
- wall: pure polyether polyurethane, food-grade (FDA), with non-migratory permanent antistatic agent
- wall thickness between spirals approx. 0.7 mm

Applications

- Food Industry
- Pharmaceutical industry
- Chemicals industry

Properties

- EU guidelines EU 10/2011 and most recent amending directives
- 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

- permanently antistatic, surface resistance $R_o < 10^9$ Ohm, measured acc. to DIN EN ISO 8031
- Manufacturing process according to GMP EC 2023/2006
- light-duty
- very good flexibility
- smallest bending radii
- abrasion-resistant
- optimum flow characteristics
- mostly smooth inner lining
- odourless/tasteless
- microbe and hydrolysis-resistant
- halogen and plasticizer-free
- good chemical resistance
- high tensile strength
- generally good UV and ozone resistance
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)

Temperature Range

- peaks to +125°C
- -40°C to +90°C

Product Variations

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	article no.	stock length	max. production length
	bar	bar	mm	mm	kg		m	m
32	2,52	0,71	40	40	0,35	000014:32:x	/	25
38	2,1	0,66	46	46	0,39	000014:38:x	/	25
40	2,1	0,66	48	48	0,4	000014:40:x	5/10	25
45	1,84	0,59	53	53	0,44	000014:45:x	/	25
50	1,71	0,53	57	57	0,45	000014:50:x	/	25
51	1,68	0,52	58	58	0,45	000014:51:x	10	25
55	1,54	0,44	63	63	0,54	000014:55:x	/	25
60	1,4	0,44	68	68	0,53	000014:60:x	5/10	25
65	1,26	0,37	75	73	0,64	000014:65:x	5/10	25
70	1,12	0,37	80	78	0,68	000014:70:x	/	25
75	1,12	0,3	84	83	0,71	000014:75:x	/	25
76	1,12	0,29	85	84	0,72	000014:76:x	10	25
80	0,98	0,29	90	88	0,76	000014:80:x	5/10	25
90	0,84	0,22	99	99	0,88	000014:90:x	/	25
100	0,84	0,22	108	108	0,94	000014:100:x	/	25
102	0,84	0,22	110	110	0,95	000014:102:x	10	25
110	0,7	0,22	119	119	1,23	000014:110:x	/	25
115	0,7	0,22	124	124	1,28	000014:115:x	/	25
120	0,7	0,22	130	129	1,12	000014:120:x	/	25
125	0,7	0,22	133	133	1,16	000014:125:x	/	25
127	0,7	0,22	135	135	1,18	000014:127:x	/	25
130	0,56	0,22	141	140	1,23	000014:130:x	/	25
140	0,56	0,15	153	150	1,4	000014:140:x	/	25
150	0,56	0,15	163	159	1,57	000014:150:x	/	25
152	0,56	0,15	165	161	1,6	000014:152:x	/	25
160	0,56	0,15	170	170	1,74	000014:160:x	/	25

175	0,42	0,15	185	185	1,85	000014:175:x	/	25
180	0,42	0,15	190	190	1,9	000014:180:x	/	25
200	0,42	0,15	212	212	2,25	000014:200:x	/	25
203	0,42	0,15	215	214	2,3	000014:203:x	/	25
250	0,4	0,13	262	261	2,9	000014:250:x	/	25

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 and colours, with print.