

Master-PUR L Food

PU Suction & Transport Hose, light duty, 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 quality (FDA)
- wall thickness between spirals approx. 0.7 mm

Applications

- Food industry
- Pharmaceutical industry
- Chemicals industry

Properties

- The hose conforms with EU Guideline 10/2011
- Approved for food-grade categories: A, B, C, D1, D2, E (contact durations acc. to Test Report)
- materials comply with the following food regulations:
 - FDA 21 CFR §177.2600
 - FDA 21 CFR §178.2010
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- Manufacturing process according to GMP EC 2023/2006
- abrasion-resistant
- mostly smooth inner lining
- odourless/tasteless
- microbe and hydrolysis-resistant
- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- good chemical resistance
- high tensile strength
- generally good UV and ozone resistance
- halogen and plasticizer-free

Temperature Range

- -40°C to +90°C
- peaks to +125°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	000012:32:x	5/10	25
38	2,1	0,66	46	46	0,39	000012:38:x	5/10	25
40	2,1	0,66	48	48	0,4	000012:40:x	5/10	25
45	1,84	0,59	53	53	0,44	000012:45:x	/	25
50	1,71	0,51	57	57	0,45	000012:50:x	/	25
51	1,68	0,52	58	58	0,45	000012:51:x	5/10	25
55	1,54	0,44	63	63	0,54	000012:55:x	/	25
60	1,4	0,44	68	68	0,53	000012:60:x	5/10	25
65	1,26	0,37	75	73	0,64	000012:65:x	5/10	25
70	1,12	0,37	80	78	0,68	000012:70:x	5/10	25
75	1,12	0,3	84	83	0,71	000012:75:x	/	25
76	1,12	0,29	85	84	0,72	000012:76:x	5/10	25
80	0,98	0,29	90	88	0,76	000012:80:x	5/10	25
90	0,84	0,22	99	99	0,88	000012:90:x	/	25
100	0,84	0,22	108	108	0,94	000012:100:x	/	25
102	0,84	0,22	110	110	0,95	000012:102:x	5/10	25
110	0,7	0,22	119	119	1,23	000012:110:x	/	25
115	0,7	0,22	124	124	1,28	000012:115:x	/	25
120	0,7	0,22	130	129	1,12	000012:120:x	/	25
125	0,7	0,22	133	133	1,17	000012:125:x	/	25
127	0,7	0,22	135	135	1,18	000012:127:x	5/10	25
130	0,56	0,22	141	140	1,2	000012:130:x	/	25
140	0,56	0,15	153	150	1,38	000012:140:x	/	25
150	0,56	0,15	163	159	1,47	000012:150:x	/	25
152	0,56	0,15	165	161	1,48	000012:152:x	5/10	25
160	0,56	0,15	170	170	1,74	000012:160:x	/	25
175	0,42	0,15	185	185	1,85	000012:175:x	/	25
180	0,42	0,15	190	190	1,9	000012:180:x	/	25
200	0,42	0,15	212	211	2,25	000012:200:x	/	25

203	0,42	0,15	215	214	2,3	000012:203:x	5/10	25
250	0,4	0,13	262	261	2,9	000012:250:x	/	25
254	0,4	0,13	266	265	2,95	000012:254:x	/	25
300	0,4	0,13	312	311	3,5	000012:300:x	/	25
305	0,4	0,13	317	316	3,55	000012:305: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.