

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

- Pharmaceutical industry
- Chemicals industry
- Food 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

- light
- very good flexibility
- smallest bending radii
- halogen free
- optimum flow characteristics
- abrasion-resistant
- mostly smooth inner lining
- odourless/tasteless
- microbe and hydrolysis-resistant
- good chemical resistance
- high tensile strength
- generally good UV and ozone resistance
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.

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
225	0,28	0,07	235	235	2,55	110-225-501	000012:225:x	5/10	25
32	2,52	0,71	40	40	0,35	110-032-501	000012:32:x	5/10	25
38	2,1	0,66	46	46	0,39	110-038-501	000012:38:x	5/10	25
40	2,1	0,66	48	48	0,4	110-040-501	000012:40:x	5/10	25
45	1,84	0,59	53	53	0,44	110-045-501	000012:45:x	/	25
50	1,71	0,51	57	57	0,45	110-050-501	000012:50:x	/	25
51	1,68	0,52	58	58	0,45	110-051-501	000012:51:x	5/10	25
55	1,54	0,44	63	63	0,54	110-055-501	000012:55:x	/	25
60	1,4	0,44	68	68	0,53	110-060-501	000012:60:x	5/10	25
65	1,26	0,37	75	73	0,64	110-065-501	000012:65:x	5/10	25
70	1,12	0,37	80	78	0,68	110-070-501	000012:70:x	5/10	25
75	1,12	0,3	84	83	0,71	110-075-501	000012:75:x	/	25
76	1,12	0,29	85	84	0,72	110-076-501	000012:76:x	5/10	25
80	0,98	0,29	90	88	0,76	110-080-501	000012:80:x	5/10	25
90	0,84	0,22	99	99	0,88	110-090-501	000012:90:x	/	25
100	0,84	0,22	108	108	0,94	110-100-501	000012:100:x	/	25
102	0,84	0,22	110	110	0,95	110-102-501	000012:102:x	5/10	25
110	0,7	0,22	119	119	1,23	110-110-501	000012:110:x	/	25
115	0,7	0,22	124	124	1,28	110-115-501	000012:115:x	/	25
120	0,7	0,22	130	129	1,12	110-120-501	000012:120:x	/	25
125	0,7	0,22	133	133	1,17	110-125-501	000012:125:x	/	25
127	0,7	0,22	135	135	1,18	110-127-501	000012:127:x	5/10	25
130	0,56	0,22	141	140	1,2	110-130-501	000012:130:x	/	25
140	0,56	0,15	153	150	1,38	110-140-501	000012:140:x	/	25
150	0,56	0,15	163	159	1,47	110-150-501	000012:150:x	/	25
152	0,56	0,15	165	161	1,48	110-152-501	000012:152:x	5/10	25
160	0,56	0,15	170	170	1,74	110-160-501	000012:160:x	/	25

175	0,42	0,15	185	185	1,85	110-175-501	000012:175:x	/	25
180	0,42	0,15	190	190	1,9	110-180-501	000012:180:x	/	25
200	0,42	0,15	212	211	2,25	110-200-501	000012:200:x	/	25
203	0,42	0,15	215	214	2,3	110-203-501	000012:203:x	5/10	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.