

Master-PUR L Trivolution

PU Suction hose & Transport Hose, extremely flexible, light duty, antistatic, surface resistance $< 10^9$ Ohm, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: pure polyester polyurethane (acc. to DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane)
- wall thickness between spirals approx. 0.7 mm

Applications

- Suction/extraction of paper and textile fibres
- Transport of fine-grained particles, such as dust and powder
- Suction & transport hose for abrasive solids, liquids and gases
- Protective hose against mechanical wear
- Oil mist extraction/suction

Properties

- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant

- permanently antistatic, surface resistance < 10⁹ Ohm, measured according to DIN EN ISO 8031
- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- configurable as a hose system with digital interface for compatibility with the AMPIUS® APP
- halogen and plasticizer-free
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)

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
25	3,34	0,8	30	30	0,23	000007:25:x	/	25
26	3,22	0,79	31	31	0,25	000007:26:x	5/10/15/20	25
32	2,52	0,71	40	40	0,35	000007:32:x	5/10/15/20	25
38	2,1	0,66	46	46	0,39	000007:38:x	5/10/15/20	25
40	2,1	0,66	48	48	0,4	000007:40:x	5/10/15	25
45	1,84	0,59	53	53	0,42	000007:45:x	5/10/15	25
50	1,75	0,55	57	57	0,44	000007:50:x	/	25
51	1,68	0,52	58	58	0,48	000007:51:x	5/10/15/20	25
55	1,54	0,44	63	63	0,51	000007:55:x	5/10/15	25
60	1,4	0,44	68	68	0,53	000007:60:x	5/10/15	25
63	1,34	0,41	70	70	0,57	000007:63:x	5/10	25
65	1,26	0,37	73	73	0,64	000007:65:x	5/10/15	25
70	1,12	0,37	78	78	0,68	000007:70:x	5/10/15	25
75	1,12	0,34	83	83	0,7	000007:75:x	/	25
76	1,12	0,29	84	84	0,72	000007:76:x	5/10/15	25
80	0,98	0,29	88	88	0,76	000007:80:x	5/10/15	25
90	0,84	0,22	99	99	0,88	000007:90:x	5/10/15	25
100	0,84	0,22	108	108	0,94	000007:100:x	/	25
102	0,84	0,22	110	110	0,95	000007:102:x	5/10/15	25
110	0,7	0,22	119	119	1,03	000007:110:x	5/10	25
115	0,7	0,22	124	124	1,06	000007:115:x	5/10	25
120	0,7	0,22	129	129	1,12	000007:120:x	5/10/15	25
125	0,7	0,22	134	134	1,16	000007:125:x	/	25
127	0,7	0,22	135	135	1,18	000007:127:x	5/10/15	25
130	0,56	0,22	139	139	1,2	000007:130:x	5/10	25
140	0,56	0,15	149	149	1,38	000007:140:x	5/10/15	25
150	0,56	0,15	159	159	1,4	000007:150:x	/	25

152	0,56	0,15	161	161	1,48	000007:152:x	5/10/15	25
160	0,56	0,15	170	170	1,74	000007:160:x	5/10/15	25
170	0,42	0,15	180	180	1,8	000007:170:x	5/10	25
175	0,42	0,15	185	185	1,85	000007:175:x	5/10	25
180	0,42	0,15	190	190	1,9	000007:180:x	5/10/15	25
200	0,42	0,15	210	210	2,1	000007:200:x	/	25
203	0,42	0,15	214	214	2,3	000007:203:x	5/10/15	25
225	0,28	0,07	235	235	2,55	000007:225:x	5/10	25
250	0,28	0,07	260	260	3,02	000007:250:x	5/10/15	25
254	0,28	0,07	264	264	3,02	000007:254:x	/	25
275	0,28	0,07	284	284	3,11	000007:275:x	/	25
280	0,28	0,07	290	290	3,14	000007:280:x	5/10	20
300	0,25	0,07	310	310	3,2	000007:300:x	5/10	20
315	0,25	0,07	325	325	3,32	000007:315:x	5/10	20
325	0,25	0,07	335	335	3,4	000007:325:x	5/10	20
350	0,13	0,07	360	360	3,6	000007:350:x	5/10	20
375	0,13	0,05	386	386	3,85	000007:375:x	/	20
400	0,13	0,05	410	411	4,45	000007:400:x	5/10	20
450	0,13	0,05	460	461	5,06	000007:450:x	5/10	20
500	0,13	0,05	510	511	5,7	000007:500:x	5/10	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 and colours, with print.