

Master-PUR Performance

PU suction hose & transport hose, extremely abrasion-resistant & vacuum-proof, seamless smooth inner lining, antistatic and microbe-resistant, surface resistance <math> < 10^9 </math> Ohm



Technical Drawing



Connections



Material

- spiral: spring steel wire
- wall: pure polyurethane
- wall thickness min. 2.5 mm
- inner lining: application-optimised polyurethane 60° Shore A

Applications

- Transport hose for problematic media, e.g. sand, gravel, grain, granules
- Transport hose for handling and conveying plants
- Everywhere where easy-to-clean surfaces are required
- Suction and transport hose for extremely abrasive solid, liquid and gaseous media
- Transport hose for feeding and cleaning of glass works, mineral processing plants, steelworks, quarries, shipyards and docks, cement works, flat roof gravelling
- Other conveyer and loading plants

Properties

- flexible
- extremely abrasion resistant, extra strong PU lining
- completely smooth internal lining, therefore ideal flow characteristics

- microbe-resistant
- excellent vacuum-resistance and good pressure-resistance
- heavy
- permanently antistatic, surface resistance < 10⁹ Ohm, measured according to DIN EN ISO 8031
- 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
- 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.
- 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
38	4,35	0,94	130	50	0,8	000210:38:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
40	4,25	0,94	135	52	0,8	000210:40:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
45	4,12	0,94	155	57	1	000210:45:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
50	4,02	0,94	168	65	1,17	000210:50:x	/	20
51	4	0,94	170	66	1,2	000210:51:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
55	3,8	0,94	175	72	1,3	000210:55:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
60	3,7	0,94	185	77	1,5	000210:60:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
65	3,5	0,94	190	82	1,6	000210:65:x	2,5 / 5 / 7,5 / 10 / 20	20
75	3,18	0,94	245	92	1,87	000210:75:x	/	20
76	3,15	0,94	250	93	1,9	000210:76:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
80	2,9	0,94	270	97	2,1	000210:80:x	2,5 / 5 / 7,5 / 10 / 15 / 20	20
90	2,7	0,94	285	107	2,4	000210:90:x	2,5 / 5 / 7,5 / 10 / 20	20
100	2,53	0,94	297	117	2,58	000210:100:x	/	20
102	2,5	0,94	300	119	2,6	000210:102:x	2,5 / 5 / 7,5 / 10 / 20	20
115	2,3	0,94	325	132	3	000210:115:x	/	20
125	2,05	0,94	345	142	3,25	000210:125:x	/	20
127	2	0,94	350	144	3,3	000210:127:x	2,5 / 5 / 7,5 / 10 / 15	20

140	1,8	0,94	370	154	3,46	000210:140:x	2,5/5/7,5/10	20
150	1,54	0,94	396	167	3,67	000210:150:x	/	20
152	1,5	0,94	400	169	3,7	000210:152:x	2,5 / 5 / 7,5 / 10 / 15	20
175	1,1	0,7	770	190	4,6	000210:175:x	/	10
180	1	0,68	780	195	4,7	000210:180:x	/	10
200	0,8	0,55	840	215	5	000210:200:x	/	10

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.