

Master-Clip PTFE EL

Suction & Blower hose for corrosive media up to +280°C, electroconductive, surface resistance <math>< 10^6 \text{ Ohm}</math>



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: multi-layered, PTFE laminate, electrically conductive <math>< 10^6 \text{ Ohm}</math>

Applications

- Danger zones, which requires electro-conductivity acc. to TRGS
- Suction and conveyance of aggressive media, explosive gases and fumes
- Solvent extraction
- Low pressure range
- Paint, wood and paper industry
- Pharmaceutical industry
- Paint mist extraction
- Chemicals industry

Properties

- excellent chemical resistance
- outer chafing protection spiral
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- surface resistance 10^6 Ohm
- cold and heat resistant
- weather-proof
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressible to approx. 1:6
- highly flexible
- anti-adhesive wall lining material
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- optimum medium flow characteristics
- smallest bending radii
- extremely lightweight

Temperature Range

- -150°C to +280°C
- peaks to +300°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	production length	max. production length
	bar	bar	mm	kg		m	m
55	0,58	0,13	33	0,40	000376:55:x	3-10	10
60	0,55	0,12	36	0,50	000376:60:x	3-10	10
65	0,5	0,11	39	0,50	000376:65:x	3-10	10
70	0,4	0,11	42	0,50	000376:70:x	3-10	10
75	0,35	0,1	45	0,50	000376:75:x	3-10	10
80	0,3	0,09	48	0,50	000376:80:x	3-10	10
90	0,26	0,08	54	0,60	000376:90:x	3-10	10
100	0,23	0,07	60	0,60	000376:100:x	3-10	10
110	0,2	0,06	66	0,60	000376:110:x	3-10	10
120	0,18	0,05	72	0,70	000376:120:x	3-10	10
125	0,17	0,05	75	0,70	000376:125:x	3-10	10
130	0,15	0,05	78	0,80	000376:130:x	3-10	10
140	0,14	0,04	84	0,80	000376:140:x	3-10	10
150	0,14	0,04	90	0,90	000376:150:x	3-10	10
160	0,13	0,04	96	0,90	000376:160:x	3-10	10
170	0,12	0,03	102	0,90	000376:170:x	3-10	10
175	0,11	0,03	105	1,00	000376:175:x	3-10	10
180	0,11	0,03	108	1,00	000376:180:x	3-10	10
200	0,1	0,03	120	1,10	000376:200:x	3-10	10
215	0,09	0,02	151	1,10	000376:215:x	3-10	10
225	0,08	0,02	158	1,20	000376:225:x	3-10	10
250	0,08	0,02	175	1,40	000376:250:x	3-10	10
275	0,07	0,01	193	1,70	000376:275:x	3-10	6
300	0,06	0,01	210	1,90	000376:300:x	3-10	6
315	0,06	0,01	221	1,90	000376:315:x	3-10	6
325	0,05	0,01	228	2,00	000376:325:x	3-10	6
350	0,05	0,01	245	2,20	000376:350:x	3-10	6
375	0,04	0,01	263	2,60	000376:375:x	3-10	6
400	0,03	0,01	280	2,80	000376:400:x	3-10	6

450	0,03	0,01	360	3,30	000376:450:x	3	3
500	0,03	0,01	400	3,80	000376:500:x	3	3
550	0,02	0,01	440	4,40	000376:550:x	3	3
600	0,02	0,01	480	4,90	000376:600:x	3	3
700	0,02	0,01	560	5,60	000376:700:x	3	3
800	0,02	0,01	640	6,20	000376:800:x	3	3
900	0,01	0,01	720	7,00	000376:900:x	2,5	2,5

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.

Manufacturing and Delivery

- Available from stock in the above listed lengths and sizes.

Available on request

- Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.