

Master-PUR H Food A

PU Suciton & Transport Hose, medium duty, very flexible, food-grade quality acc. to EU 10/2011 and FDA, permanently antistatic



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire (stainless steel 1.4310)
- wall: pure polyether polyurethane, food-grade (FDA), with non-migratory permanent antistatic agent
- wall thickness between spirals approx. 1.4 mm

Applications

- Food industry
- Pharmaceutical industry
- Chemicals industry

Properties

- The hose conforms with EU Guideline 10/2011
- Approved for food-grade category: E (contact duration acc. to Test Report)
- The material of the wall complies with the FDA food regulations 21 CFR § 177.1680 and 21 CFR § 177.2600
-

- Manufacturing process according to GMP EC 2023/2006
- permanently antistatic, surface resistance <math> < 10^9 </math> Ohm, measured according to DIN EN ISO 8031
- small bending radius
- good flexibility
- medium duty
- abrasion-resistant
- mostly smooth inner lining
- odourless/tasteless
- microbe and hydrolysis-resistant
- optimum flow characteristics
- good chemical resistance
- high tensile strength
- generally good UV and ozone resistance
- 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
20	4,3	0,92	45	28	0,23	000068:20:x	/	25
26	4,16	0,92	50	33	0,3	000068:26:x	5/10	25
30	3,51	0,92	56	39	0,37	000068:30:x	/	25
32	3,25	0,92	60	41	0,39	000068:32:x	5/10	25
38	3,12	0,82	70	47	0,46	000068:38:x	5/10	25
40	3	0,82	70	49	0,49	000068:40:x	5/10	25
45	2,95	0,81	80	55	0,55	000068:45:x	/	25
50	2,9	0,8	86	60	0,68	000068:50:x	/	25
51	2,9	0,79	87	61	0,71	000068:51:x	5/10	25
55	2,75	0,76	95	65	0,77	000068:55:x	/	25
60	2,55	0,74	105	70	0,84	000068:60:x	5/10	25
65	2,4	0,66	115	75	0,91	000068:65:x	5/10	25
70	2,25	0,66	120	80	0,97	000068:70:x	/	25
75	2	0,6	124	86	1,05	000068:75:x	/	25
76	2	0,59	125	87	1,06	000068:76:x	5/10	25
80	2	0,59	135	91	1,11	000068:80:x	5/10	25
90	1,65	0,52	149	101	1,25	000068:90:x	/	25
100	1,5	0,45	163	110	1,44	000068:100:x	/	25
102	1,5	0,44	165	112	1,48	000068:102:x	5/10	25
115	1,35	0,31	186	126	1,68	000068:115:x	/	25
120	1,3	0,31	195	131	1,75	000068:120:x	/	25
125	1,3	0,31	203	136	1,86	000068:125:x	/	25
127	1,3	0,31	205	138	1,91	000068:127:x	/	25
130	1,3	0,31	209	141	1,96	000068:130:x	/	25
140	1,05	0,25	224	151	2,11	000068:140:x	/	25
150	1,05	0,25	243	161	2,26	000068:150:x	/	25

152	1,05	0,25	245	163	2,29	000068:152:x	/	25
160	0,9	0,25	255	171	2,51	000068:160:x	/	25
170	0,9	0,18	255	181	2,67	000068:170:x	/	25
175	0,9	0,18	255	186	2,74	000068:175:x	/	25
180	0,75	0,18	285	191	2,82	000068:180:x	/	25
200	0,75	0,18	320	212	3,41	000068:200:x	/	25
203	0,75	0,18	325	215	3,5	000068:203:x	/	25
250	0,73	0,18	372	262	4,5	000068:250: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.