Master-PUR H MHR A

PU Suction & Transport Hose, medium duty, microbe & hydrolysis-resistant, antistatic, surface resistance < 10^9 Ohm

Technical Drawing

Connections

Construction

Material

- spiral: spring steel wire
- hose wall: polyether polyurethane with non-migrating permanent agents, microbe and hydrolysis resistant
- wall thickness between spirals approx. 1.4 mm

Applications

- Suction & transport hose for abrasive solids, for which microbe and hydrolisis resistance is required
- Protective hose against mechanical wear

Properties

- acc. to DIN 26057
- small bending radius
- good flexibility
- medium duty
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- permanently antistatic, surface resistance < 10^{9} Ohm, measured according to DIN EN ISO 8031
- increased pressure and vacuum resistance
- microbe and hydrolysis-resistant
- free of halogens and plasticizers
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- approved according to TRGS 727 and ATEX 2014/34 EU. Details according to certificate.
- acc. to DIN 26057

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
16	4,5	0,92	40	22	0,20	000131:16:x	/	25
20	4,3	0,92	43	26	0,22	000131:20:x	/	25
25	4,18	0,92	47	32	0,28	000131:25:x	/	25
26	4,16	0,92	47	33	0,29	000131:26:x	/	25
32	3,25	0,92	60	41	0,39	000131:32:x	/	25
38	3,12	0,82	69	47	0,46	000131:38:x	/	25
40	3	0,82	72	49	0,49	000131:40:x	/	25
45	2,95	0,81	80	55	0,55	000131:45:x	/	25
50	2,91	0,79	86	60	0,68	000131:50:x	/	25
51	2,9	0,78	87	61	0,71	000131:51:x	/	25
55	2,75	0,76	95	65	0,77	000131:55:x	/	25
60	2,55	0,74	102	70	0,84	000131:60:x	/	25
65	2,4	0,66	112	75	0,91	000131:65:x	/	25
70	2,25	0,66	117	80	0,97	000131:70:x	/	25
75	2,04	0,6	125	86	1,05	000131:75:x	/	25
76	2	0,59	126	87	1,06	000131:76:x	/	25
80	2	0,59	132	91	1,11	000131:80:x	/	25
90	1,65	0,51	149	101	1,25	000131:90:x	/	25
100	1,53	0,45	162	110	1,44	000131:100:x	/	25
102	1,5	0,44	165	112	1,48	000131:102:x	/	25
110	1,35	0,44	179	121	1,61	000131:110:x	/	25
115	1,35	0,31	186	126	1,68	000131:115:x	/	25
120	1,3	0,31	194	131	1,75	000131:120:x	/	25
125	1,3	0,31	200	136	1,86	000131:125:x	/	25
127	1,3	0,31	203	138	1,91	000131:127:x	/	25
130	1,3	0,31	209	141	1,96	000131:130:x	/	25
140	1,05	0,25	224	151	2,11	000131:140:x	/	25
150	1,05	0,25	239	161	2,26	000131:150:x	/	25
152	1,05	0,25	242	163	2,29	000131:152:x	/	25

160	0,9	0,25	255	171	2,51	000131:160:x	/	25
170	0,9	0,18	270	181	2,67	000131:170:x	/	25
175	0,9	0,18	278	186	2,74	000131:175:x	/	25
180	0,75	0,18	285	191	2,82	000131:180:x	/	25
200	0,75	0,18	316	212	3,41	000131:200:x	/	25
203	0,75	0,18	321	215	3,50	000131:203:x	/	25
225	0,6	0,12	353	237	3,65	000131:225:x	/	25
250	0,6	0,12	385	259	3,81	000131:250:x	/	25
254	0,6	0,12	390	263	3,84	000131:254:x	/	25
275	0,45	0,12	426	288	4,22	000131:275:x	/	25
280	0,45	0,12	435	293	4,30	000131:280:x	/	25
300	0,45	0,12	465	313	4,94	000131:300:x	/	20
315	0,45	0,12	488	328	5,19	000131:315:x	/	20
325	0,45	0,12	503	338	5,35	000131:325:x	/	20
350	0,45	0,12	540	363	6,96	000131:350:x	/	20
375	0,3	0,07	580	388	7,45	000131:375:x	/	20
400	0,3	0,07	615	413	7,95	000131:400:x	/	20
450	0,3	0,07	690	463	8,94	000131:450:x	/	20
500	0,3	0,07	765	513	9,93	000131:500:x	/	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 the above listed lengths, sizes and colours. Alternatively, also available with print.