

Protape® PUR 330 MHF



APPLICATIONS

Universal and abrasion-proof suction and blast hose, especially suitable:

- For abrasive solids such as dust, powder, fibres and chips
- For gaseous media such as vapors and welding smoke
- For de-dusting and suction plants

PROPERTIES

- Super-light and reinforced model
- Highly flexible and compressible 3:1
- Abrasion-proof
- Optimized flow properties
- High tensile strength and tear resistant
- Food quality wall complies with: FDA 21 CFR 177.2600 and 178.2010, EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC, German guideline XXXIX BfR polyurethane (see chapt. 14.5)
- Approval according to EC guideline 2002/72/EC incl. the latest amendment 2007/19/EC for the complete hose by independent institute (see chapt. 14.5)
- Microbe and hydrolysis resistant
- Good resistance to mineral oils and gasoline
- Good resistance to chemicals
- Good resistance to UV and ozone
- Very good low temperature flexibility (better than comparable ester-polyurethanes)
- Small bending radius
- Kink-proof
- Free of softener and halogen
- Gas and liquid tight
- Conform to RoHS guideline
- According to TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, recommended for many applications with the exception of inflammable bulk materials

MATERIAL

- Wall: special premium ether-polyurethane
- Spiral: spring steel wire

TEMPERATURE RANGE

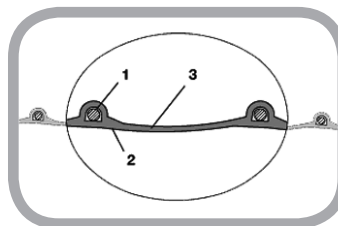
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire integrated in wall
- 2 Extruded tape
- 3 Wall thickness 0.6 mm approx.
according to TRBS 2153 antistatic wall: electrical and surface resistance $< 10^9 \Omega$ due to permanently antistatic material without migration



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I.D	O.D	Recommended Operating Limits		Bending Radius (middle of hose)	Weight	Further Production Lengths	Stock Lengths	Part Number
		Overpressure bar	Vacuum bar					
mm	mm			mm	kg/m	mm	mm	
25	32	1.600	360	32	0.17	10	15	330-0025-0000
30	37	1.345	340	37	0.20	10	15	330-0030-0000
32	39	1.260	340	39	0.21	10	15	330-0032-0000
38	45	1.060	320	45	0.25	10	15	330-0038-0000
40	47	1.015	300	47	0.28	10	15	330-0040-0000
45	52	900	285	52	0.31	10	15	330-0045-0000
50	58	815	260	58	0.36	10	15	330-0050-0000
51	59	800	260	59	0.37	10	15	330-0051-0000
60	68	680	210	68	0.43	10	15	330-0060-0000
63	71	645	195	71	0.45	10	15	330-0063-0000
65	73	630	180	73	0.47	10	15	330-0065-0000
70	78	585	150	78	0.50	10	15	330-0070-0000
75	83	545	140	83	0.53	10	15	330-0075-0000
80	88	510	130	88	0.57	10	15	330-0080-0000
90	98	455	115	98	0.63	10	15	330-0090-0000
100	108	410	90	108	0.66	10	15	330-0100-0000
102	110	400	90	110	0.68	10	15	330-0102-0000
110	118	375	80	118	0.73	10	15	330-0110-0000
115	123	355	80	123	0.76	10	15	330-0115-0000
120	128	340	75	128	0.79	10	15	330-0120-0000
125	133	330	60	133	0.82	10	15	330-0125-0000
127	135	325	60	135	0.83	10	15	330-0127-0000
130	138	315	60	138	0.85	10	15	330-0130-0000
140	148	295	60	148	0.92	10	15	330-0140-0000
150	158	275	55	158	0.98	10	15	330-0150-0000
152	160	270	55	160	0.99	10	15	330-0152-0000
160	168	255	50	168	1.04	10	15	330-0160-0000
170	178	240	45	178	1.11	10	15	330-0170-0000
175	183	235	40	183	1.14	10	15	330-0175-0000
180	188	230	40	188	1.17	10	15	330-0180-0000
200	208	205	40	208	1.29	10	15	330-0200-0000
203	211	205	40	211	1.32	10	15	330-0203-0000
225	233	180	30	233	1.45	10	15	330-0225-0000
250	258	165	15	258	1.61	10	15	330-0250-0000
275	283	150	15	283	1.77	10		330-0275-0000
280	288	145	15	288	1.80	10		330-0280-0000
300	309	135	15	309	2.23	10		330-0300-0000
325	334	125	10	334	2.41	10		330-0325-0000
350	359	115	10	359	2.59	10		330-0350-0000
400	409	105	10	409	2.96	10		330-0400-0000
450	459	90	6	459	3.32	10		330-0450-0000
500	510	80	5	510	5.16	10		330-0500-0000

Further diameters and lengths available on request. All stated data are approx. figures based on a temperature of 20 °C.
Engineering modifications subject to change. Please refer to technical index