

Protape® PUR 331 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 model
- Highly flexible and compressible 4:1
- Abrasion-proof
- 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 (refer to section 14.1)
- Good resistance to UV and ozone (see chapt. 14.8)
- 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 (Ø to 149mm), recommended for many applications with the exception of inflammable bulk materials

MATERIAL

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

TEMPERATURE RANGE

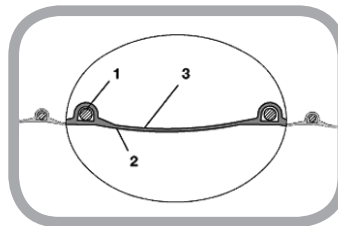
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire integrated in wall
- 2 Extruded tape
- 3 Wall thickness 0.4 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	bar	bar	mm	kg/m	mm	mm	
38	46	900	300	46	0.17	10	15	331-0038-0000
40	48	865	280	48	0.19	10	15	331-0040-0000
45	53	765	265	53	0.23	10	15	331-0045-0000
50	58	695	240	58	0.27	10	15	331-0050-0000
51	59	680	240	59	0.29	10	15	331-0051-0000
60	68	580	190	68	0.31	10	15	331-0060-0000
63	71	550	180	71	0.33	10	15	331-0063-0000
65	73	535	170	73	0.34	10	15	331-0065-0000
70	78	495	140	78	0.39	10	15	331-0070-0000
75	83	465	130	83	0.41	10	15	331-0075-0000
80	88	435	120	88	0.44	10	15	331-0080-0000
90	98	385	105	98	0.49	10	15	331-0090-0000
100	108	350	80	108	0.52	10	15	331-0100-0000
102	110	340	80	110	0.53	10	15	331-0102-0000
110	118	320	75	118	0.57	10	15	331-0110-0000
115	123	300	70	123	0.59	10	15	331-0115-0000
120	128	290	70	128	0.62	10	15	331-0120-0000
125	133	280	55	133	0.64	10	15	331-0125-0000
127	135	275	55	135	0.65	10	15	331-0127-0000
130	138	270	55	138	0.68	10	15	331-0130-0000
140	148	250	50	148	0.72	10	15	331-0140-0000
150	158	175	45	158	0.63	10	15	331-0150-0000
152	160	170	45	160	0.65	10	15	331-0152-0000
160	168	165	40	168	0.68	10	15	331-0160-0000
170	178	155	35	178	0.72	10	15	331-0170-0000
175	183	150	35	183	0.74	10	15	331-0175-0000
180	188	145	30	188	0.76	10	15	331-0180-0000
200	208	130	30	208	0.96	10	15	331-0200-0000
203	211	130	30	211	0.98	10	15	331-0203-0000
225	233	115	20	233	1.08	10	15	331-0225-0000
250	258	105	15	258	1.20	10	15	331-0250-0000
275	283	95	10	283	1.35	10		331-0275-0000
280	288	95	10	288	1.40	10		331-0280-0000
300	309	90	10	309	1.57	10		331-0300-0000
325	334	80	9	334	1.70	10		331-0325-0000
350	359	75	7	359	1.83	10		331-0350-0000
400	409	65	6	409	2.08	10		331-0400-0000
450	459	60	5	459	2.34	10		331-0450-0000
500	509	55	4	509	2.60	10		331-0500-0000

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