

APPLICATIONS

Abrasion-proof and flame-retardant suction and transport hose, especially suitable:

- For applications, where flame-retardant hoses are demanded
- For abrasive solids such as dust, powder, fibres, chips and granulates
- For gaseous and liquid media
- For de-dusting and suction plants, industrial vacuum cleaners, suction of paper and textile fibres
- As resistant protection hose

PROPERTIES

- Conforms to the safety regulations of the German Wood Trade Association
- Light model
- Highly abrasion-proof (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC's)
- Smooth interior
- Optimized flow properties
- Flexible
- High tensile strength and tear resistant
- 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)
- Small bending radius
- Kink-proof
- Halogen free
- Gas and liquid tight
- Flame-retardant according to: UL94-V0. DIN 4102-B1, DIN 5510 part 2 (S2-S4. SR1-SR2. ST2)
- 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: premium polyurethan resistant to aggressive wood types and wood preservatives polyurethane with flame-retardant additive (Pre-PUR® see chapt. 0.4)
- Spiral: spring steel wire

TEMPERATURE RANGE

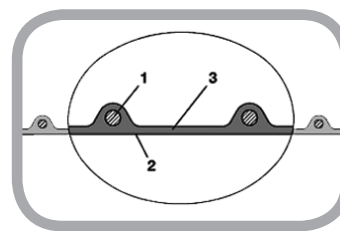
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire firmly embedded in wall
- 2 Profile with optimized flow properties
- 3 Wall thickness 0.9 mm approx



Airduc® PUR 352 SE

I.D	O.D	Recommended Operating Limits		Bending Radius (middle of hose)	Weight	Further Production Lengths	Order Number
		Overpressure bar	Vacuum bar				
mm	mm	bar	bar	mm	kg/m	mm	
40	48	1.71	0.42	53	0.34	10 15	352-0040-0000
50	58	1.37	0.365	64	0.42	10 15	352-0050-0000
60	68	1.15	0.285	75	0.5	10 15	352-0060-0000
65	73	1.06	0.255	80	0.54	10 15	352-0065-0000
70	79	0.99	0.21	87	0.6	10 15	352-0070-0000
75	84	0.92	0.195	92	0.64	10 15	352-0075-0000
80	89	0.86	0.175	98	0.68	10 15	352-0080-0000
90	99	0.77	0.155	109	0.76	10 15	352-0090-0000
100	109	0.69	0.12	120	0.97	10 15	352-0100-0000
110	119	0.63	0.11	131	1.06	10 15	352-0110-0000
115	124	0.605	0.105	136	1.11	10 15	352-0115-0000
120	129	0.58	0.105	142	1.16	10 15	352-0120-0000
125	134	0.56	0.085	147	1.2	10 15	352-0125-0000
130	139	0.535	0.085	153	1.25	10 15	352-0130-0000
140	149	0.495	0.085	164	1.34	10 15	352-0140-0000
150	159	0.46	0.075	175	1.52	10 15	352-0150-0000
160	169	0.435	0.065	186	1.61	10 15	352-0160-0000
175	184	0.4	0.055	202	1.76	10 15	352-0175-0000
180	189	0.385	0.055	208	1.81	10 15	352-0180-0000
200	209	0.35	0.055	230	2.01	10 15	352-0200-0000
225	234	0.31	0.04	257	2.16	10 15	352-0225-0000
250	259	0.28	0.02	285	2.34	10 15	352-0250-0000
275	284	0.255	0.02	312	2.63	10	352-0275-0000
280	289	0.25	0.02	318	2.68	10	352-0280-0000
300	309	0.23	0.02	340	2.86	10	352-0300-0000
315	324	0.22	0.02	356	3.01	10	352-0315-0000
325	334	0.215	0.015	367	3.1	10	352-0325-0000
350	359	0.2	0.015	395	3.34	10	352-0350-0000
400	409	0.17	0.01	450	4.28	10	352-0400-0000
450	459	0.155	0.01	508	4.8	10	352-0450-0000
500	509	0.14	0.01	565	5.33	10	352-0500-0000

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