

APPLICATIONS

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

- For applications, where flame-retardant hoses are demanded
- For high flow-rates of abrasive solids such as powder, chips and granulates
- For gaseous and liquid media
- For industrial vacuum cleaners, granulate conveying systems, printing machines, blowers and compressors
- As robust protection conduit

PROPERTIES

- Conforms to the safety regulations of the German Wood Trade Association
- Heavy 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 with low weight
- Increased pressure and vacuum resistance
- 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-V2, DIN 4102-B1, DIN 5510 part 2 (S2-S4. SR2. ST2)
- 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
- Spiral: spring steel wire

TEMPERATURE RANGE

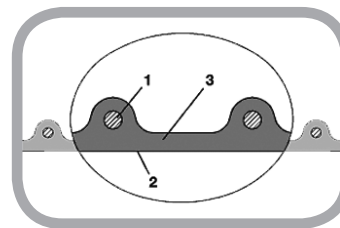
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire firmly embedded in wall
- 2 Profile with optimized flow properties
- 3 Wall thickness 1.5 mm approx



Airduc® PUR 355 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	
16	23	4.085	1	23	0.16	10 15	355-0016-1004
20	27	3.895	1	27	0.23	10 15	355-0020-1004
25	32	3.47	0.9	32	0.28	10 15	355-0025-1004
30	40	3.28	0.88	40	0.42	10 15	355-0030-1004
32	42	3.095	0.875	42	0.44	10 15	355-0032-1004
35	45	2.955	0.87	45	0.48	10 15	355-0035-1004
38	48	2.925	0.865	48	0.52	10 15	355-0038-1004
40	50	2.9	0.855	50	0.54	10 15	355-0040-1004
42	52	2.765	0.845	52	0.56	10 15	355-0042-1004
45	55	2.595	0.845	55	0.6	10 15	355-0045-1004
50	60	2.33	0.835	60	0.66	10 15	355-0050-1004
55	65	2.14	0.79	65	0.72	10 15	355-0055-1004
60	70	1.955	0.73	70	0.78	10 15	355-0060-1004
65	75	1.815	0.675	75	0.84	10 15	355-0065-1004
70	81	1.69	0.605	97	0.98	10 15	355-0070-1004
75	86	1.575	0.555	103	1.05	10 15	355-0075-1004
80	91	1.48	0.505	109	1.11	10 15	355-0080-1004
90	101	1.235	0.385	121	1.25	10 15	355-0090-1004
100	111	1.19	0.355	133	1.49	10 15	355-0100-1004
102	113	1.165	0.355	136	1.51	10 15	355-0102-1004
110	121	1.085	0.325	145	1.63	10 15	355-0110-1004
115	126	1.035	0.3	151	1.68	10 15	355-0115-1004
120	131	1	0.28	157	1.77	10 15	355-0120-1004
125	136	0.96	0.265	163	1.84	10 15	355-0125-1004
127	138	0.94	0.26	166	1.87	10 15	355-0127-1004
130	141	0.915	0.24	169	1.91	10 15	355-0130-1004
140	151	0.855	0.215	181	2.03	10 15	355-0140-1004
150	161	0.8	0.18	193	2.41	10 15	355-0150-1004
152	163	0.785	0.175	196	2.44	10 15	355-0152-1004
160	171	0.745	0.165	205	2.56	10 15	355-0160-1004
170	181	0.705	0.15	217	2.72	10 15	355-0170-1004
175	186	0.685	0.14	223	2.79	10 15	355-0175-1004
180	191	0.665	0.135	229	2.87	10 15	355-0180-1004
200	213	0.6	0.12	256	3.12	10 15	355-0200-1004
225	238	0.53	0.1	286	3.5	10 15	355-0225-1004
250	263	0.485	0.075	316	3.88	10 15	355-0250-1004
275	288	0.435	0.07	346	4.26	10	355-0275-1004
280	293	0.43	0.07	352	4.33	10	355-0280-1004
300	313	0.4	0.065	376	5.16	10	355-0300-1004
315	328	0.385	0.055	394	5.41	10	355-0315-1004
320	333	0.375	0.055	400	5.5	10	355-0320-1004
325	338	0.365	0.055	406	5.58	10	355-0325-1004
350	363	0.34	0.05	436	6	10	355-0350-1004
375	388	0.325	0.045	466	6.95	10	355-0375-1004
400	413	0.305	0.04	496	8.02	10	355-0400-1004
450	463	0.265	0.03	556	9.04	10	355-0450-1004
500	514	0.24	0.025	617	10	10	355-0500-1004

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