

Airduc® PUR 355



APPLICATIONS

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

- 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

- 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
- 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
- Free of softener and halogen
- Gas and liquid tight
- Flame-retardant according to: UL94-V2
- 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 ester-polyurethane
- Spiral: spring steel wire

TEMPERATURE RANGE

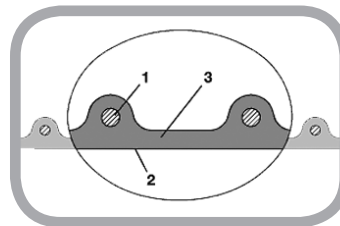
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire firmly embedded in wall
- 2 Profile with optimized flow properties
- 3 Wall thickness 1.5 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 mm	O.D mm	Recommended Operating Limits		Bending Radius (middle of hose) mm	Weight kg/m	Further Production Lengths mm	Stock Lengths mm	Part Number
		Overpressure bar	Vacuum bar					
13	20	4.5	1	20	0.14	15	10	355-0013-0000
16	23	4.3	1	23	0.16		10 15	355-0016-0000
18	25	4.25	1	25	0.17	15	10	355-0018-0000
20	27	4.1	1	27	0.23		10 15 20 25	355-0020-0000
22	29	3.91	1	29	0.25	15	10	355-0022-0000
25	32	3.655	1	32	0.28		10 15 20 25	355-0025-0000
26	33	3.6	1	33	0.29	10 15		355-0026-0000
30	40	3.45	0.98	40	0.42		10 15	355-0030-0000
32	42	3.26	0.97	42	0.44		10 15 20 25	355-0032-0000
33	43	3.17	0.97	43	0.46	10 15		355-0033-0000
35	45	3.11	0.97	45	0.48		10 15	355-0035-0000
38	48	3.08	0.95	48	0.52		10 15 20	355-0038-0000
40	50	3.05	0.95	50	0.54		10 15 20	355-0040-0000
42	52	2.91	0.94	52	0.56		10 15 20	355-0042-0000
45	55	2.73	0.94	55	0.6		10 15 20	355-0045-0000
50	60	2.45	0.93	60	0.66		10 15 20	355-0050-0000
55	65	2.25	0.88	65	0.72		10 15	355-0055-0000
60	70	2.06	0.81	70	0.78		10 15 20	355-0060-0000
65	75	1.91	0.75	75	0.84		10 15 20	355-0065-0000
70	81	1.78	0.67	97	0.98		10 15	355-0070-0000
75	86	1.66	0.615	103	1.05		10 15	355-0075-0000
80	91	1.56	0.56	109	1.11		10 15	355-0080-0000
90	101	1.3	0.425	121	1.25		10 15	355-0090-0000
100	111	1.25	0.39	133	1.49		10 15	355-0100-0000
102	113	1.225	0.39	136	1.51	15	10	355-0102-0000
110	121	1.14	0.36	145	1.63		10 15	355-0110-0000
115	126	1.09	0.335	151	1.68	15	10	355-0115-0000
120	131	1.05	0.315	157	1.77	15	10	355-0120-0000
125	136	1.01	0.295	163	1.84		10 15	355-0125-0000
127	138	0.99	0.29	166	1.87	10 15		355-0127-0000
130	141	0.965	0.27	169	1.91	15	10	355-0130-0000
140	151	0.9	0.24	181	2.03		10 15	355-0140-0000
150	161	0.84	0.2	193	2.41		10 15	355-0150-0000
152	163	0.825	0.195	196	2.44	15	10	355-0152-0000
160	171	0.785	0.185	205	2.56		10 15	355-0160-0000
170	181	0.74	0.17	217	2.72	15	10	355-0170-0000
175	186	0.72	0.155	223	2.79	15	10	355-0175-0000
180	191	0.7	0.15	229	2.87	15	10	355-0180-0000
200	213	0.63	0.135	256	3.12		10 15	355-0200-0000
225	238	0.56	0.11	286	3.5	15	10	355-0225-0000
250	263	0.51	0.085	316	3.88	15	10	355-0250-0000
275	288	0.46	0.08	346	4.26		10	355-0275-0000
280	293	0.45	0.075	352	4.33		10	355-0280-0000
300	313	0.42	0.07	376	5.16		10	355-0300-0000
315	328	0.405	0.065	394	5.41	10		355-0315-0000
320	333	0.395	0.065	400	5.5	10		355-0320-0000
325	338	0.385	0.065	406	5.58		10	355-0325-0000
350	363	0.36	0.055	436	6		10	355-0350-0000
375	388	0.34	0.05	466	6.42	10		355-0375-0000
400	413	0.32	0.045	496	8.02		10	355-0400-0000
450	463	0.28	0.035	556	9		10	355-0450-0000
500	514	0.255	0.03	617	10		10	355-0500-0000

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