

Airduc® PUR 355 reinforced



APPLICATIONS

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

- For roof gravel conveying, silo loading
- As conveying and head hose for suction vehicles

PROPERTIES

- Heavy and reinforced model
- Extremely abrasion-proof with reinforcement underneath wire (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
- 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

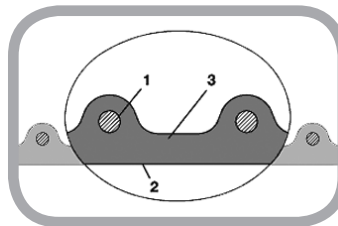
- -40°C approx to +90°C approx
- Short time to +125°C approx

COLOUR

- Transparent

CONSTRUCTION

- 1 Spring steel wire firmly embedded in wall
- 2 Profile with optimized flow properties
- 3 Wall thickness 2.5 mm approx.
 according to TRBS 2153 antistatic wall: electrical and surface resistance <math>< 10^9 \Omega</math> due to permanently antistatic material without migration



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					
70	85	2.515	0.900	187	1.61	10		355-0070-2530
85	100	2.080	0.750	220	1.92	10		355-0085-2530
100	115	1.775	0.67	253	2.38	10		355-0100-2530
102	117	1.74	0.67	256	2.45		10	355-0102-2530
125	140	1.43	0.46	308	2.88	10		355-0125-2530
127	142	1.405	0.46	312	2.97		10	355-0127-2530
150	165	1.195	0.385	363	3.45	10		355-0150-2530
152	167	1.18	0.385	367	3.51		10	355-0152-2530

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