

HIGH-TEMPERATURE

AIRDUC® PUR 351 HT (MD)

Abrasion-resistant high-temperature PUR hose — up to +150 °C peak, flexible at low temperatures



Abrasion-resistant high-temperature hose in polyurethane, rated for continuous operation up to +125 °C with peaks to +150 °C. The PUR wall's wear resistance combines with temperature tolerance — a combination that covers hot, abrasive media such as granulates in drying systems, hot aspiration air and pneumatics in high-temperature zones. The MD construction gives good flexibility and keeps the hose flexible down to -40 °C.

Media: Gas, Dust, Liquid

Temp: -40 °C to 125 °C

✓ Cut to length

APPLICATIONS

- Drying systems and granulate dryers at high temperatures
- Vacuum pumps and compressors with hot air
- Pneumatic conveyance of hot abrasive media
- Industrial vacuum cleaners with hot extraction
- Robotics and industrial installations with thermal load
- Injection-moulding machines and film blowers

Technical specifications

Material	Polyurethane (PUR), HT formulation
Colour	Black
Wall construction	Medium duty (MD), spiral-reinforced HT PUR
Spiral material	spring steel wire, embedded in PUR wall
Conveying media	Gas, Dust, Liquid
Temperature range	-40 °C – 125 °C
Short-term peak	150 °C
Cut to length	Yes
Manufacturer SKU	3511015

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 21 standard sizes from inner Ø 25.1 mm to 350.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
25.1	32.1	1	2.835	0.495	28	10	0.25	10	35100251015
32	40	1	2.245	0.46	35	10	0.3	10	35100321015
38	46	1	1.905	0.43	40	15	0.35	10	35100381015
40	48	1	1.815	0.42	41	15	0.37	10, 15	35100401015
45	53	1	1.62	0.385	45	15	0.41	10	35100451015
50.5	58.5	1	1.465	0.365	49	15	0.46	10	35100501015
51	59	1	1.4	0.35	50	15	0.46	-	35100511015
55	63	1	1.225	0.285	55	15	0.5	-	35100551015
60	68	1	1.225	0.285	56	15	0.54	10	35100601015
64.5	72.5	1	1.135	0.255	60	15	0.58	10	35100651015
70	79	1	1.055	0.21	65	15	0.63	10	35100701015
75	84	1	0.985	0.195	69	15	0.68	10	35100751015
80	89	1	0.925	0.175	73	15	0.72	10	35100801015
90	99	1	0.825	0.155	80	15	0.8	10	35100901015
101.5	110.5	1	0.745	0.12	88	15	1.04	10	35101001015
115	124	1	0.6	0.085	103	15	1.17	-	35101151015
126.5	135.5	1	0.6	0.085	107	15	1.28	10	35101251015
151.5	160.5	1	0.5	0.075	126	15	1.66	10	35101501015
160	169	1	0.47	0.065	134	15	1.75	-	35101601015
202.3	211.3	1	0.375	0.055	165	15	2.2	10	35102001015
350	359	1	-	-	315	10	3.52	-	35103501015

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.