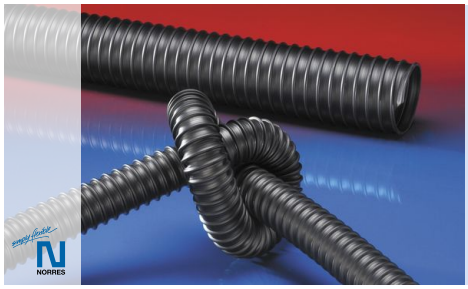
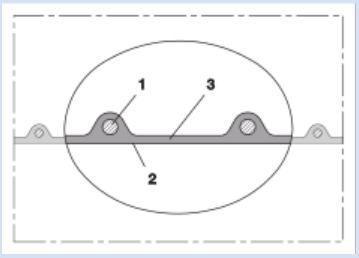
AIRDUC® PUR 351 EC (MD)





Electrically conductive polyurethane hose, medium-heavy

Applications
- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction

Properties
- highly abrasion resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- electrically conductive wall: electrical and surface resistance <$10^3\Omega$ (according to NFPA 652 <$10^6\ \Omega$)
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- according to DIN 26057 Type 2
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range
- -40 °C to 90 °C

Design
- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 0,7 mm approx.

Delivery variants
- further diameters and lengths available on request
- black (standard)
- customer-specific branding

I.D. (in / mm)	outer Ø (mm)	Pressure DIN 26057 (50% Elongation) (bar)	Vacuum DIN 26057 (axially fixed) (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Production Lengths (m)	Order No.
1 / 25	32.00	2,445 (4,06)	0,460 (1,00)	23.00	0.20	**10**	-	351-0025-1003
- / 30	38.00	1,945 (3,22)	0,440 (1,00)	26.00	0.26	**10**	-	351-0030-1003
1,25 / 32	40.00	1,830 (3,03)	0,430 (1,00)	27.00	0.28	**10**	-	351-0032-1003
1,5 / 38	46.00	1,550 (2,56)	0,400 (1,00)	31.00	0.32	**10**	-	351-0038-1003
- / 40	48.00	1,475 (2,44)	0,390 (1,00)	32.00	0.34	**10**	-	351-0040-1003
1,75 / 44-45	53.00	1,315 (2,18)	0,360 (1,00)	35.00	0.38	**10**	-	351-0045-1003
2 / 50-51	58.00	1,190 (1,96)	0,340 (1,00)	38.00	0.41	**10**	-	351-0050-1003
2,36 / 60	68.00	0,995 (1,64)	0,265 (0,84)	44.00	0.49	**10**	-	351-0060-1003
2,5 / 63-65	73.00	0,920 (1,52)	0,235 (0,71)	47.00	0.53	**10**	-	351-0065-1003
- / 70	79.00	0,855 (1,41)	0,195 (0,84)	50.00	0.57	**10**	-	351-0070-1003
3 / 75-76	84.00	0,800 (1,32)	0,180 (0,73)	53.00	0.61	**10**	-	351-0075-1003
- / 80	89.00	0,750 (1,24)	0,165 (0,64)	56.00	0.65	**10**	-	351-0080-1003
3,5 / 89-90	99.00	0,670 (1,10)	0,145 (0,51)	62.00	0.73	**10**	-	351-0090-1003
4 / 100-102	109.00	0,605 (1,00)	0,115 (0,41)	68.00	0.79	**10**	-	351-0100-1003
- / 110	119.00	0,550 (0,91)	0,100 (0,34)	74.00	0.87	**10**	-	351-0110-1003
4,72 / 120	129.00	0,505 (0,83)	0,085 (0,28)	80.00	0.94	**10**	-	351-0120-1003
5 / 125-127	134.00	0,485 (0,80)	0,075 (0,26)	83.00	0.98	**10**	-	351-0125-1003
5,5 / 140	149.00	0,430 (0,71)	0,075 (0,21)	92.00	1.09	**10**	-	351-0140-1003
6 / 150-152	159.00	0,405 (0,67)	0,070 (0,37)	98.00	1.33	**10**	-	351-0150-1003

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at www.norres.com/en/technology/.

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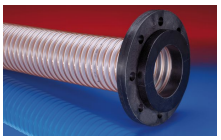
6,3 / 160	169.00	0,380 (0,63)	0,060 (0,32)	104.00	1.41	**10**	-	351-0160-1003
7 / 178-180	189.00	0,335 (0,56)	0,050 (0,24)	116.00	1.59	**10**	-	351-0180-1003
8 / 200-203	209.00	0,305 (0,50)	0,050 (0,19)	128.00	1.76	**10**	-	351-0200-1003
- / 250	259.00	0,245 (0,40)	0,020 (0,11)	158.00	2.43	**10**	-	351-0250-1003

Accessories


CONNECT 243

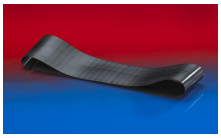

CONNECT 246 AS


CLAMP 217


CONNECT 244


CONNECT 240 EC


CONNECT 240 + 241 AS


CONNECT 228

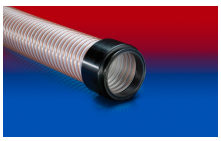

CLAMP 210 BRIDGE CLAMP


CONNECT MOULD ASSEMBLY 233


CONNECT THREAD FITTING 234


CLAMP 212


CLAMP 212 EC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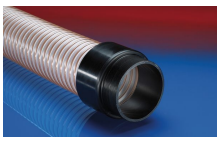
CONNECT 242


CLAMP 213


CONNECT 270-271


CONNECT 223

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