

AIRDUC® PUR 355 EC

Electrically conductive polyurethane hose, heavy duty

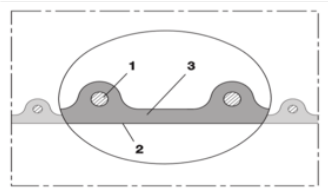
**Applications:**  
flexible hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases  
industrial vacuum cleaners, vacuum cleaners  
explosion hazard area  
Coal mine, mine, tunneling: ventilation, methane extraction  
raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings

**Properties:**  
heavy duty  
highly abrasion resistant  
increased pressure and vacuum resistance  
good resistance to oil, gasoline, and chemicals  
very good low temperature flexibility  
electrically conductive wall: electrical and surface resistance <10<sup>3</sup> Ω  
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), 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 3  
conforms to RoHS guideline

**Temperature range**  
-40°F to 195°F

**Design, material:**  
AIRDUC® profile hose  
1. spring steel wire firmly embedded in the wall  
2. wall: electrically conductive premium ester-polyurethane (Pre-PUR®)  
3. wall thickness 0.055 - 0.060 inch approximate

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



| I.D. In/mm  | O.D. in | Pressure psi  | Vacuum DIN inHg | Bending Radius in | Weight lbs./ft | Stock length ft | Order No.     | Order No.              | Article Name       | suitable fo |
|-------------|---------|---------------|-----------------|-------------------|----------------|-----------------|---------------|------------------------|--------------------|-------------|
| 1 / 25      | 1.25    | 35.45 (58.80) | 13.58 (29.53)   | 0.89              | 0.135          | 25              | 351-0025-1003 | 35100251003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 1.25 / 32   | 1.57    | 26.55 (43.85) | 12.70 (29.53)   | 1.06              | 0.190          | 25              | 351-0032-1003 | 35100321003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 2 / 50-51   | 2.28    | 17.25 (28.50) | 10.04 (29.53)   | 1.50              | 0.275          | 25              | 351-0050-1003 | 35100501003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 2.5 / 63-65 | 2.87    | 13.35 (22.05) | 6.94 (21.11)    | 1.85              | 0.355          | 25              | 351-0065-1003 | 35100651003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 3 / 75-76   | 3.31    | 11.60 (19.15) | 5.32 (21.70)    | 2.09              | 0.410          | 25              | 351-0075-1003 | 35100751003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 4 / 100-102 | 4.29    | 8.75 (14.45)  | 3.40 (11.96)    | 2.68              | 0.530          | 25              | 351-0100-1003 | 35101001003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 5 / 125-127 | 5.28    | 7.05 (11.60)  | 2.21 (7.68)     | 3.27              | 0.660          | 25              | 351-0125-1003 | 35101251003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 6 / 150-152 | 6.26    | 5.85 (9.65)   | 2.07 (10.78)    | 3.86              | 0.895          | 25              | 351-0150-1003 | 35101501003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 7 / 178-180 | 7.44    | 4.85 (8.05)   | 1.48 (7.23)     | 4.57              | 1.070          | 25              | 351-0180-1003 | 35101801003-0000002500 | AIRDUC® PUR 351 EC | Yes         |
| 8 / 200-203 | 8.23    | 4.40 (7.25)   | 1.48 (5.61)     | 5.04              | 1.185          | 25              | 351-0200-1003 | 35102001003-0000002500 | AIRDUC® PUR 351 EC | Yes         |