

## **AIRDUC PUR 351 EC 0,7 mm ATEX conductive suction hose** **Electrically conductive polyurethane hose, medium-heavy**



### **Technical specifications:**

#### **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

#### **DELIVERY VARIANTS**

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

#### **DESIGN**

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

#### **TEMPERATURE RANGE**

- -40°C to 90°C

**Hőállóság:** -40°C/+90°C

**Anyaga:** Fekete, elektromosan vezetőképes poliuretán

**Elektromos ellenállás:**  $R < 10 \cdot 3 \text{ Ohm}$  (NFPA 652 szerint  $< 10 \cdot 6 \text{ Ohm}$ )

**Falvastagság a spirálok között mérve:** 0,7 mm

**Belül:** Közel sima

**Kívül:** Hullámos

**Betétek:** Acélspirál erősítéssel

**Tekercsméret m:** 10 m

**Kivitel:** DIN 26057 Type2

**ATEX 2014/34/EU (1999/92/EC) TRGS 727:** gyúlékony porokra zóna  
20,21,22 beltérben

On stock at the manufacturer, short delivery time with regular shipments

| Belső Ø<br>(mm) | Külső Ø<br>(mm) | Nyomás DIN 26057<br>(50% hossznyúlás) | Vákuum DIN<br>26057 (rögzített<br>végek) | Hajlítási<br>sugár (mm) | Súly<br>(kg/m) | Norres<br>cikkszám | Cikkszám |
|-----------------|-----------------|---------------------------------------|--|-------------------------|----------------|--------------------|----------|
| 25              | 32              | 2,44                                  | -0,46                                    | 23                      | 0,20           | 351-0025-1003      | 102638   |
| 30              | 38              | 1,94                                  | -0,44                                    | 26                      | 0,26           | 351-0030-1003      | 102920   |
| 32              | 40              | 1,83                                  | -0,43                                    | 27                      | 0,28           | 351-0032-1003      | 102921   |
| 38              | 46              | 1,55                                  | -0,40                                    | 31                      | 0,32           | 351-0038-1003      | 102924   |
| 40              | 48              | 1,47                                  | -0,39                                    | 32                      | 0,34           | 351-0040-1003      | 102639   |
| 45              | 53              | 1,32                                  | -0,36                                    | 35                      | 0,39           | 351-0045-1003      | 102925   |
| 50/51           | 58              | 1,19                                  | -0,34                                    | 38                      | 0,41           | 351-0050-1003      | 102640   |
| 60              | 68              | 0,99                                  | -0,26                                    | 44                      | 0,49           | 351-0060-1003      | 102574   |
| 63/65           | 73              | 0,92                                  | -0,23                                    | 47                      | 0,53           | 351-0065-1003      | 102926   |
| 70              | 79              | 0,85                                  | -0,19                                    | 50                      | 0,57           | 351-0070-1003      | 102927   |
| 75/76           | 84              | 0,80                                  | -0,18                                    | 53                      | 0,61           | 351-0075-1003      | 102928   |
| 80              | 89              | 0,75                                  | -0,16                                    | 56                      | 0,65           | 351-0080-1003      | 102922   |
| 90              | 99              | 0,67                                  | -0,14                                    | 62                      | 0,73           | 351-0090-1003      | 102929   |
| 100/102         | 109             | 0,60                                  | -0,11                                    | 68                      | 0,79           | 351-0100-1003      | 102923   |

| Belső Ø<br>(mm) | Külső Ø<br>(mm) | Nyomás DIN 26057<br>(50% hossznyúlás) | Vákuum DIN<br>26057 (rögzített<br>végek) | Hajlítási<br>sugár (mm) | Súly<br>(kg/m) | Norres<br>cikkszám | Cikkszám |
|-----------------|-----------------|---------------------------------------|--|-------------------------|----------------|--------------------|----------|
| 110             | 119             | 0,55                                  | -0,10                                    | 74                      | 0,87           | 351-0110-<br>1003  | 102421   |
| 120             | 129             | 0,50                                  | -0,08                                    | 80                      | 0,94           | 351-0120-<br>1003  | 102930   |
| 125/127         | 134             | 0,48                                  | -0,07                                    | 83                      | 0,98           | 351-0125-<br>1003  | 102931   |
| 160             | 169             | 0,38                                  | -0,06                                    | 104                     | 1,41           | 351-0160-<br>1003  | 102932   |
| 200/203         | 209             | 0,30                                  | -0,05                                    | 128                     | 1,76           | 351-0200-<br>1003  | 102933   |

