

## **AIRDUC PUR 351 FOOD 1 mm FDA Food hose and pharmaceutical hose, medium-heavy and reinforced**



**Technical specifications:**

**APPLICATIONS**

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- food industry, pharmaceutical industry: foodstuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- industrial vacuum cleaners, vacuum cleaners

#### PROPERTIES

- medium-heavy duty
- highly abrasion resistant
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- flame-retardant according to: UL94-HB
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

#### DELIVERY VARIANTS

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

#### DESIGN

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

#### TEMPERATURE RANGE

- -40°C to 90°C
- short time to 125°C

**Hőállóság:** -40°C / +90°C ( rövid ideig +125°C)

**Felépítés:** poliuretán, áttetsző, beágyazott acélspirállal, belül közel sima, kívül hullámos

**Falvastagság:** 1 mm

Tekercsméret: 10 m

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

| Belső Ø<br>(mm) | Külső Ø<br>(mm) | Nyomás 20°C-on<br>(bar) (50% nyúlás) | Vákuum<br>(bar) | Hajlítási sugár<br>(mm) | Súly<br>(kg/m) | Norres<br>típuszám | Cikkszám |
|-----------------|-----------------|--------------------------------------|-----------------|-------------------------|----------------|--------------------|----------|
| 25              | 32              | 2,71                                 | -0,68           | 23                      | 0,2            | 351-0025-0000      | 103138   |
| 30              | 38              | 2,29                                 | -0,47           | 27                      | 0,26           | 351-0030-0000      | 103139   |
| 32              | 40              | 2,15                                 | -0,44           | 28                      | 0,28           | 351-0032-0000      | 103140   |
| 35              | 43              | 1,97                                 | -0,41           | 30                      | 0,3            | 351-0035-0000      | 103141   |
| 38              | 46              | 1,83                                 | -0,37           | 32                      | 0,32           | 351-0038-0000      | 103142   |
| 40              | 48              | 1,74                                 | -0,35           | 33                      | 0,34           | 351-0040-0000      | 103143   |
| 44/45           | 53              | 1,55                                 | -0,31           | 36                      | 0,38           | 351-0045-0000      | 103144   |
| 50/51           | 58              | 1,4                                  | -0,28           | 39                      | 0,41           | 351-0050-0000      | 102482   |
| 55              | 63              | 1,28                                 | -0,25           | 42                      | 0,45           | 351-0055-0000      | 103145   |
| 60              | 68              | 1,17                                 | -0,23           | 45                      | 0,49           | 351-0060-0000      | 103146   |
| 63/65           | 73              | 1,09                                 | -0,22           | 48                      | 0,53           | 351-0065-0000      | 103147   |
| 70              | 79              | 1,01                                 | -0,15           | 52                      | 0,59           | 351-0070-0000      | 103148   |
| 75/76           | 84              | 0,94                                 | -0,14           | 55                      | 0,64           | 351-0075-0000      | 103149   |
| 80              | 89              | 0,89                                 | -0,13           | 58                      | 0,68           | 351-0080-0000      | 103150   |
| 89/90           | 99              | 0,79                                 | -0,11           | 64                      | 0,75           | 351-0090-0000      | 103151   |
| 100/102         | 109             | 0,71                                 | -0,11           | 70                      | 0,97           | 351-0100-0000      | 103152   |
| 110             | 119             | 0,65                                 | -0,1            | 76                      | 1,06           | 351-0110-0000      | 103153   |
| 114/115         | 124             | 0,62                                 | -0,09           | 79                      | 1,11           | 351-0115-0000      | 103154   |
| 120             | 129             | 0,59                                 | -0,09           | 82                      | 1,16           | 351-0120-0000      | 103155   |
| 125/127         | 134             | 0,57                                 | -0,09           | 85                      | 1,2            | 351-0125-0000      | 103156   |
| 130             | 139             | 0,55                                 | -0,08           | 88                      | 1,25           | 351-0130-0000      | 103157   |
| 140             | 149             | 0,51                                 | -0,08           | 94                      | 1,34           | 351-0140-0000      | 103158   |
| 150/152         | 159             | 0,48                                 | -0,06           | 100                     | 1,52           | 351-0150-0000      | 103159   |
| 160             | 169             | 0,45                                 | -0,06           | 106                     | 1,61           | 351-0160-0000      | 103160   |
| 170             | 179             | 0,42                                 | -0,06           | 110                     | 1,71           | 351-0170-0000      | 103161   |
| 175             | 184             | 0,41                                 | -0,06           | 115                     | 1,76           | 351-0175-0000      | 103162   |
| 178/180         | 189             | 0,4                                  | -0,05           | 118                     | 1,81           | 351-0180-0000      | 103163   |
| 200/203         | 209             | 0,36                                 | -0,05           | 130                     | 2              | 351-0200-0000      | 103164   |
| 225             | 234             | 0,32                                 | -0,04           | 145                     | 2,16           | 351-0225-0000      | 100333   |
| 250             | 259             | 0,29                                 | -0,03           | 160                     | 2,39           | 351-0250-0000      | 103165   |
| 275             | 284             | 0,26                                 | -0,03           | 175                     | 2,63           | 351-0275-0000      | 103166   |
| 280             | 289             | 0,26                                 | -0,03           | 178                     | 2,67           | 351-0280-0000      | 103167   |
| 300             | 309             | 0,24                                 | -0,03           | 190                     | 2,86           | 351-0300-0000      | 103168   |
| 315             | 324             | 0,23                                 | -0,03           | 199                     | 3              | 351-0315-0000      | 103169   |
| 325             | 334             | 0,22                                 | -0,03           | 205                     | 3,1            | 351-0325-0000      | 103170   |
| 350             | 359             | 0,2                                  | -0,02           | 220                     | 3,33           | 351-0350-0000      | 103171   |



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|-----------------|-----------------|--------------------------------------|-----------------|-------------------------|----------------|--------------------|----------|
| 375             | 384             | 0,19                                 | -0,02           | 237                     | 3,9            | 351-0375-0000      | 103172   |
| 400             | 409             | 0,18                                 | -0,02           | 250                     | 4,27           | 351-0400-0000      | 103173   |
| 450             | 459             | 0,16                                 | -0,02           | 283                     | 4,8            | 351-0450-0000      | 103174   |
| 500             | 509             | 0,14                                 | -0,02           | 315                     | 5,33           | 351-0500-0000      | 103175   |

