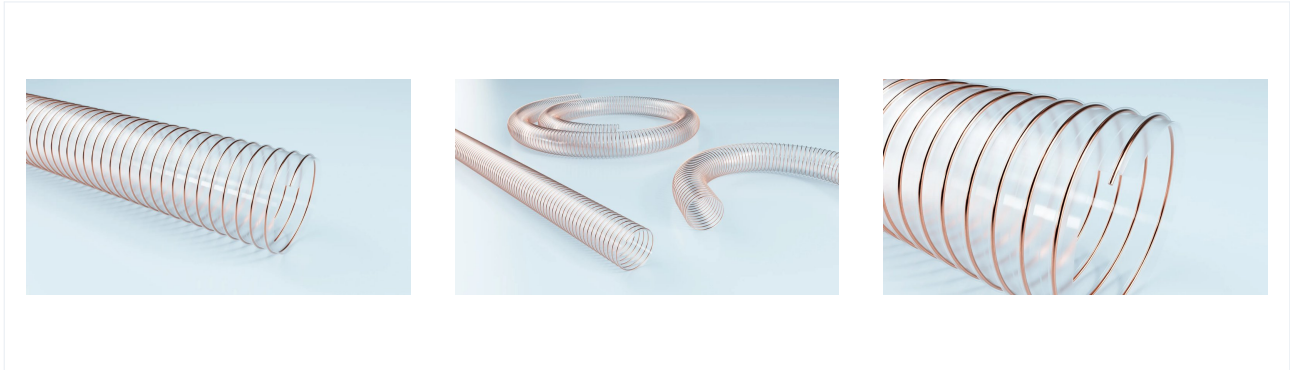


FOOD & PHARMA HOSES

AIRDUC® PUR 351 FOOD (MD)

Food-grade polyurethane hose for abrasive media



Abrasion-resistant polyurethane hose for conveying abrasive media in the food and pharmaceutical industries. Food-grade compliance with EU 1935/2004, EU 10/2011 (categories A, B, C, D2 and E) and FDA 21 CFR 177.2600, with a medium-duty (MD) wall.

Media: Gas, Dust, Liquid, Granulate

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Food production and transfer between processing stages
- Bulk-bag (FIBC) filling and discharging of food ingredients
- Powder management in pharmaceutical mixing processes
- Tablet press feeding in the pharmaceutical industry
- Grain and seed conveying, including animal feed
- Industrial vacuum cleaners in food and pharma facilities
- Conveyance of abrasive ingredients such as salt, sugar and dried vegetables

Technical specifications

| | |
|--------------------------|---|
| Material | Polyurethane (PUR), food-grade |
| Colour | Transparent |
| Wall construction | Medium duty (MD), spiral-reinforced food-grade polyurethane |
| Spiral material | spring steel wire, embedded in PUR wall |
| Conveying media | Gas, Dust, Liquid, Granulate |
| Temperature range | -40 °C – 90 °C |
| Short-term peak | 125 °C |
| Cut to length | Yes |
| Manufacturer SKU | 3510000 |

Standards and compliance

DIN 26057 Type 2, EU 1935/2004, EU 10/2011, FDA 21 CFR 177.2600, REACH, RoHS

Dimensions and ordering

The hose is supplied in 54 standard sizes from inner Ø 19 mm to 500 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] | Press. DIN [bar] | Press. 50% [bar] | Vacuum DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|--------------|--------------|------------------|------------------|------------------|--------------------|----------------|--------------|---------------|------------|-------------|
| 19 | 26 | 2.715 | 5.85 | 0.68 | 1 | 20 | 20 | 0.19 | - | 35100190000 |
| 25.1 | 32.1 | 2.715 | 5.85 | 0.68 | 1 | 23 | 25 | 0.24 | 10 | 35100250000 |
| 30 | 38 | 2.29 | 4.92 | 0.47 | 1 | 27 | 25 | 0.28 | 10 | 35100300000 |
| 32 | 40 | 2.155 | 4.63 | 0.44 | 1 | 28 | 25 | 0.29 | 10 | 35100320000 |
| 35 | 43 | 1.975 | 4.25 | 0.405 | 1 | 30 | 25 | 0.32 | 10 | 35100350000 |
| 38 | 46 | 1.83 | 3.93 | 0.37 | 1 | 32 | 25 | 0.34 | 10 | 35100380000 |
| 40 | 48 | 1.74 | 3.74 | 0.355 | 1 | 33 | 30 | 0.36 | 10, 15, 20 | 35100400000 |
| 45 | 53 | 1.555 | 3.33 | 0.315 | 1 | 36 | 30 | 0.4 | 10 | 35100450000 |
| 50.5 | 58.5 | 1.405 | 3.01 | 0.285 | 1 | 39 | 30 | 0.44 | 10, 15, 20 | 35100500000 |
| 55 | 63 | 1.28 | 2.74 | 0.255 | 0.98 | 42 | 30 | 0.48 | 10 | 35100550000 |
| 60 | 68 | 1.175 | 2.52 | 0.235 | 0.82 | 45 | 30 | 0.52 | 10, 15, 20 | 35100600000 |
| 64.5 | 72.5 | 1.09 | 2.33 | 0.22 | 0.7 | 48 | 30 | 0.56 | 10 | 35100650000 |
| 70 | 79 | 1.01 | 2.17 | 0.15 | 0.84 | 52 | 30 | 0.6 | 10, 15 | 35100700000 |
| 75 | 84 | 0.945 | 2.03 | 0.14 | 0.73 | 55 | 30 | 0.64 | 10 | 35100750000 |
| 80 | 89 | 0.89 | 1.9 | 0.13 | 0.64 | 58 | 30 | 0.68 | 10, 15 | 35100800000 |
| 90 | 99 | 0.79 | 1.69 | 0.115 | 0.51 | 64 | 30 | 0.76 | 10 | 35100900000 |
| 101.5 | 110.5 | 0.715 | 1.53 | 0.11 | 0.66 | 70 | 25 | 0.99 | 10, 15, 20 | 35101000000 |
| 102 | 111 | 0.715 | 1.53 | 0.11 | 0.66 | 70 | 25 | 0.99 | - | 35101020000 |
| 105 | 114 | 0.65 | 1.39 | 0.1 | 0.54 | 73 | 25 | 1.02 | - | 35101050000 |
| 110 | 119 | 0.65 | 1.39 | 0.1 | 0.54 | 76 | 25 | 1.07 | 10 | 35101100000 |
| 115 | 124 | 0.62 | 1.33 | 0.095 | 0.5 | 79 | 25 | 1.11 | 10 | 35101150000 |
| 120 | 129 | 0.595 | 1.28 | 0.09 | 0.45 | 82 | 25 | 1.16 | 10 | 35101200000 |
| 126.5 | 135.5 | 0.575 | 1.23 | 0.09 | 0.42 | 85 | 25 | 1.23 | 10, 15 | 35101250000 |
| 130 | 139 | 0.55 | 1.18 | 0.085 | 0.39 | 88 | 25 | 1.25 | 10 | 35101300000 |
| 133 | 142 | 0.51 | 1.1 | 0.08 | 0.33 | 90 | 25 | 1.28 | - | 35101330000 |
| 140 | 149 | 0.51 | 1.1 | 0.08 | 0.33 | 94 | 25 | 1.35 | 10 | 35101400000 |
| 151.5 | 160.5 | 0.48 | 1.02 | 0.065 | 0.36 | 100 | 20 | 1.61 | 5, 10, 15 | 35101500000 |
| 152 | 161 | 0.48 | 1.02 | 0.065 | 0.36 | 100 | 20 | 1.61 | - | 35101520000 |
| 155 | 164 | 0.45 | 0.96 | 0.065 | 0.32 | 103 | 20 | 1.64 | - | 35101550000 |
| 160 | 169 | 0.45 | 0.96 | 0.065 | 0.32 | 106 | 20 | 1.69 | 10 | 35101600000 |
| 165 | 174 | 0.425 | 0.9 | 0.06 | 0.28 | 108 | 15 | 1.75 | - | 35101650000 |
| 170 | 179 | 0.425 | 0.9 | 0.06 | 0.28 | 110 | 20 | 1.8 | 10 | 35101700000 |

| Inner Ø [mm] | Outer Ø [mm] | Press. DIN [bar] | Press. 50% [bar] | Vacuum DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|-----------------|-----------------|---------------------|---------------------|---------------------|-----------------------|-------------------|-----------------|------------------|-------------|-------------|
| 175 | 184 | 0.41 | 0.88 | 0.06 | 0.26 | 115 | 20 | 1.85 | - | 35101750000 |
| 180 | 189 | 0.4 | 0.85 | 0.055 | 0.24 | 118 | 20 | 1.9 | 10 | 35101800000 |
| 202.3 | 211.3 | 0.36 | 0.77 | 0.05 | 0.19 | 130 | 15 | 2.13 | 5, 10, 15 | 35102000000 |
| 202.3 | 212 | 0.36 | 0.77 | 0.05 | 0.19 | 130 | 15 | 2.13 | - | 35102030000 |
| 205 | 214 | 0.32 | 0.68 | 0.04 | 0.14 | 133 | 15 | 2.01 | - | 35102050000 |
| 220 | 229 | 0.32 | 0.68 | 0.04 | 0.14 | 143 | 15 | 2.15 | - | 35102200000 |
| 225 | 234 | 0.32 | 0.68 | 0.04 | 0.14 | 145 | 15 | 2.2 | 10 | 35102250000 |
| 250 | 259 | 0.29 | 0.62 | 0.035 | 0.11 | 160 | 15 | 2.44 | 5, 10 | 35102500000 |
| 254 | 263 | 0.28 | 0.6 | 0.035 | 0.1 | 162 | 15 | 2.48 | - | 35102540000 |
| 275 | 284 | 0.26 | 0.56 | 0.035 | 0.09 | 175 | 15 | 2.68 | - | 35102750000 |
| 280 | 289 | 0.26 | 0.55 | 0.03 | 0.08 | 178 | 15 | 2.73 | - | 35102800000 |
| 300 | 309 | 0.24 | 0.51 | 0.03 | 0.07 | 190 | 10 | 2.92 | 10 | 35103000000 |
| 305 | 314 | 0.23 | 0.49 | 0.03 | 0.06 | 195 | 10 | 2.97 | - | 35103050000 |
| 315 | 324 | 0.23 | 0.49 | 0.03 | 0.06 | 199 | 10 | 3.06 | - | 35103150000 |
| 320 | 329 | 0.22 | 0.47 | 0.03 | 0.06 | 203 | 10 | 3.11 | - | 35103200000 |
| 325 | 334 | 0.22 | 0.47 | 0.03 | 0.06 | 205 | 10 | 3.16 | 10 | 35103250000 |
| 350 | 359 | 0.205 | 0.44 | 0.025 | 0.05 | - | 10 | 3.4 | 10 | 35103500000 |
| 375 | 384 | 0.195 | 0.41 | 0.025 | 0.05 | 237 | 10 | 4.08 | - | 35103750000 |
| 380 | 389 | 0.18 | 0.39 | 0.025 | 0.04 | 240 | 10 | 4.14 | - | 35103800000 |
| 400 | 409 | 0.18 | 0.39 | 0.025 | 0.04 | 265 | 10 | 4.35 | 10 | 35104000000 |
| 450 | 459 | 0.16 | 0.34 | 0.02 | 0.03 | 283 | 10 | 4.89 | - | 35104500000 |
| 500 | 509 | 0.145 | 0.31 | 0.02 | 0.03 | 315 | 10 | 5.43 | - | 35105000000 |

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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