

ABRASION-RESISTANT

AIRDUC® PVC 341 (MD)

Flame-retardant PVC suction and pressure hose — MD construction for industrial extraction and powder pneumatics



Suction and pressure hose in PVC for gas, dust, powder and fibres. Flame-retardant per UL94-HB. MD construction (medium duty) makes the hose suitable for daily industrial extraction, powder pneumatics and fibre handling. Broad application spectrum from dust extraction and spray mist extraction to alkali conveying and chemical transport at standard temperatures.

Media: Gas, Dust

Temp: -20 °C to 70 °C

✓ Cut to length

APPLICATIONS

- Dedusting and dust extraction in industry
- Spray mist extraction at painting
- Filter vacuum cleaner systems
- Wood dust extraction in non-classified zones
- Air supply and ventilation sections
- Chemical transport at low pressure
- Packaging machines and packaging pneumatics

Technical specifications

| | |
|--------------------------|--|
| Material | Polyvinyl chloride (PVC) |
| Colour | Transparent |
| Wall construction | Medium duty (MD), spiral-reinforced PVC, flame-retardant formulation |
| Spiral material | spring steel wire embedded in PVC wall |
| Conveying media | Gas, Dust |
| Temperature range | -20 °C – 70 °C |
| Short-term peak | 80 °C |
| Cut to length | Yes |
| Manufacturer SKU | 3410000 |

Standards and compliance

ul94-hb, REACH, RoHS

Dimensions and ordering

The hose is supplied in 36 standard sizes from inner Ø 20.0 mm to 350.0 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] | Wall th. [mm] | Press. DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|--------------|--------------|---------------|------------------|--------------------|----------------|--------------|---------------|----------|-------------|
| 20 | 27 | 0.8 | 1.385 | 0.5 | 17 | 25 | 0.2 | 10 | 34100200000 |
| 25.1 | 32.1 | 0.8 | 1.125 | 0.4 | 20 | 25 | 0.25 | 10 | 34100250000 |
| 30 | 38 | 0.8 | 0.945 | 0.275 | 23 | 25 | 0.26 | - | 34100300000 |
| 32 | 40 | 0.8 | 0.89 | 0.26 | 24 | 25 | 0.28 | 10 | 34100320000 |
| 35 | 43 | 0.8 | 0.815 | 0.235 | 26 | 25 | 0.3 | - | 34100350000 |
| 38 | 46 | 0.8 | 0.755 | 0.22 | 27 | 25 | 0.33 | 10 | 34100380000 |
| 40 | 48 | 0.8 | 0.715 | 0.205 | 28 | 30 | 0.33 | 10, 15 | 34100400000 |
| 42 | 50 | 0.8 | 0.675 | 0.2 | 29 | 30 | 0.36 | 10 | 34100420000 |
| 45 | 53 | 0.8 | 0.64 | 0.185 | 31 | 30 | 0.38 | - | 34100450000 |
| 50.5 | 58.5 | 0.8 | 0.575 | 0.165 | 33 | 30 | 0.4 | 10, 15 | 34100500000 |
| 55 | 63 | 0.8 | 0.525 | 0.15 | 36 | 30 | 0.46 | 10 | 34100550000 |
| 60 | 68 | 0.8 | 0.485 | 0.14 | 38 | 30 | 0.5 | 10 | 34100600000 |
| 64.5 | 72.5 | 0.8 | 0.445 | 0.125 | 41 | 30 | 0.53 | 10 | 34100650000 |
| 70 | 79 | 0.8 | 0.415 | 0.12 | 44 | 30 | 0.55 | 10 | 34100700000 |
| 75 | 84 | 0.8 | 0.39 | 0.11 | 47 | 30 | 0.59 | 10 | 34100750000 |
| 80 | 89 | 0.8 | 0.365 | 0.105 | 49 | 30 | 0.63 | 10 | 34100800000 |
| 90 | 99 | 0.8 | 0.325 | 0.09 | 54 | 30 | 0.7 | 10 | 34100900000 |
| 101.5 | 110.5 | 0.8 | 0.295 | 0.06 | 59 | 25 | 0.83 | 10 | 34101000000 |
| 105 | 114 | 0.8 | 0.28 | 0.06 | 62 | 25 | 0.89 | - | 34101050000 |
| 110 | 119 | 0.8 | 0.265 | 0.055 | 64 | 25 | 0.93 | 10 | 34101100000 |
| 115 | 124 | 0.8 | 0.255 | 0.05 | 67 | 25 | 0.97 | 10 | 34101150000 |
| 120 | 129 | 0.8 | 0.245 | 0.05 | 69 | 25 | 1.02 | 10 | 34101200000 |
| 126.5 | 135.5 | 0.8 | 0.235 | 0.045 | 72 | 25 | 1.07 | 10 | 34101250000 |
| 130 | 139 | 0.8 | 0.225 | 0.045 | 74 | 25 | 1.1 | - | 34101300000 |
| 140 | 149 | 0.8 | 0.21 | 0.04 | 79 | 25 | 1.18 | 10 | 34101400000 |
| 151.5 | 160.5 | 0.8 | 0.195 | 0.04 | 84 | 20 | 1.27 | 10, 15 | 34101500000 |
| 160 | 169 | 0.8 | 0.185 | 0.035 | 89 | 20 | 1.34 | 10 | 34101600000 |
| 170 | 179 | 0.8 | 0.165 | 0.03 | 94 | 20 | 1.42 | - | 34101700000 |
| 180 | 189 | 0.8 | 0.165 | 0.03 | 99 | 20 | 1.5 | 10 | 34101800000 |
| 202.3 | 211.3 | 0.8 | 0.145 | 0.03 | 109 | 15 | 1.69 | 10, 15 | 34102000000 |
| 225 | 234 | 0.8 | 0.13 | 0.025 | 122 | 15 | 2.27 | 10 | 34102250000 |
| 250 | 259 | 0.8 | 0.12 | 0.02 | 134 | 15 | 2.52 | 10 | 34102500000 |

| Inner Ø [mm] | Outer Ø [mm] | Wall th. [mm] | Press. DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|-----------------|-----------------|------------------|---------------------|-----------------------|-------------------|-----------------|------------------|-------------|-------------|
| 280 | 289 | 0.8 | 0.105 | 0.02 | 149 | 15 | 2.82 | - | 34102800000 |
| 300 | 309 | 0.8 | 0.1 | 0.02 | 159 | 10 | 3.02 | - | 34103000000 |
| 315 | 324 | 0.8 | 0.1 | 0.015 | 175 | 10 | 3.16 | - | 34103150000 |
| 350 | 359 | 0.8 | 0.1 | 0.015 | 184 | 10 | 3.51 | - | 34103500000 |

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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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.