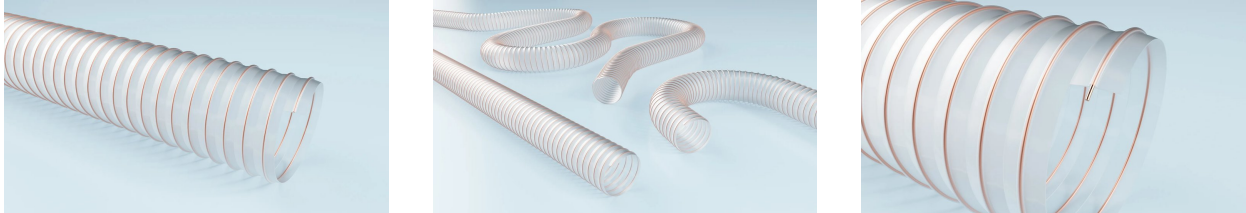


ATEX/ESD · II 3GD (interior zone 1/2 gases, zone 22 dust; exterior zone 1/21) — antistatic per NFPA 652

PROTAPE® PUR 330 AS (LD)

Highly flexible antistatic PUR hose — flame-retardant multipurpose in light-duty construction



Highly flexible antistatic polyurethane hose in light-duty (LD) construction with a 0.6 mm wall. Surface resistance below $10^9 \Omega$ meets the NFPA 652 thresholds, and the hose is flame-retardant rated to UL94-HB and DIN 4102-B1. The ATEX approval for Zone 22 dust and Zone 1/2 gases, combined with flame retardancy, makes it a workhorse for wood dust extraction, solvent vapour handling and clean rooms.

R: $<10^9 \Omega$

ATEX: Zone 0/1/2 + 20/21/22

Media: Gas, Dust

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Wood dust extraction on parquet sanders and joinery shops
- Spray mist extraction at painting and coating lines
- Steam soaking and solvent vapour extraction
- Clean rooms and clean room ventilation requiring flame retardancy
- Oil mist extraction and exhaust air on machinery
- Chemical vapours and process off-gas
- General extraction and dust handling in Zone 22

Technical specifications

| | |
|------------------------------|---|
| Material | Polyurethane (PUR), permanently antistatic |
| Colour | Transparent |
| Wall construction | Light duty (LD), spiral-reinforced polyurethane with antistatic wall formulation |
| Spiral material | spring steel wire, embedded in PUR wall |
| Conveying media | Gas, Dust |
| Temperature range | -40 °C – 90 °C |
| Short-term peak | 125 °C |
| Electrical resistance | $<10^9 \Omega$ |
| ATEX classification | II 3GD (interior zone 1/2 gases, zone 22 dust; exterior zone 1/21) — antistatic per NFPA 652 ATEX 2014/34/EU (1999/92/EC) + TRGS 727 |
| Cut to length | Yes |
| Manufacturer SKU | 3301002 |

Standards and compliance

ATEX 2014/34/EU, TRGS 727, ul94-hb, din-4102-b1, REACH, RoHS

Dimensions and ordering

The hose is supplied in 43 standard sizes from inner Ø 25.0 mm to 500.0 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] | Press. 50% [bar] | Vacuum DIN [bar] | Vacuum axial [bar] | Bend rad. [mm] | Max len. [m] | Weight [kg/m] | Roll [m] | Article no. |
|--------------|--------------|---------------|------------------|------------------|------------------|--------------------|----------------|--------------|---------------|-----------|-------------|
| 25 | 30 | 0.6 | 1.605 | 4.18 | 0.54 | 1 | 20 | 20 | 0.15 | 10 | 33000251002 |
| 30 | 35 | 0.6 | 1.35 | 3.5 | 0.45 | 1 | 22 | 20 | 0.17 | 10 | 33000301002 |
| 32 | 37 | 0.6 | 1.265 | 3.29 | 0.42 | 1 | 23 | 20 | 0.19 | 10 | 33000321002 |
| 35 | 40 | 0.6 | - | - | - | - | - | 20 | 0.2 | - | 33000351002 |
| 38 | 43 | 0.6 | 1.075 | 2.78 | 0.355 | 0.77 | 26 | 20 | 0.22 | 10 | 33000381002 |
| 40 | 48 | 0.6 | 1.02 | 2.64 | 0.335 | 0.69 | 27 | 30 | 0.26 | 10 | 33000401002 |
| 50.5 | 58.5 | 0.6 | 0.82 | 2.12 | 0.22 | 0.87 | 33 | 30 | 0.37 | 10, 15 | 33000501002 |
| 55 | 63 | 0.6 | - | - | - | - | - | 10 | 0.4 | - | 33000551002 |
| 60 | 68 | 0.6 | 0.685 | 1.77 | 0.18 | 0.61 | 38 | 30 | 0.43 | 10, 15 | 33000601002 |
| 64.5 | 72.5 | 0.6 | 0.635 | 1.64 | 0.165 | 0.52 | 41 | 30 | 0.46 | 10 | 33000651002 |
| 70 | 78 | 0.6 | 0.59 | 1.52 | 0.155 | 0.45 | 43 | 30 | 0.5 | 10 | 33000701002 |
| 75 | 83 | 0.6 | 0.55 | 1.42 | 0.145 | 0.4 | 46 | 30 | 0.53 | 10 | 33000751002 |
| 80 | 88 | 0.6 | 0.515 | 1.33 | 0.135 | 0.35 | 48 | 30 | 0.56 | 10, 15 | 33000801002 |
| 90 | 98 | 0.6 | 0.46 | 1.19 | 0.12 | 0.28 | 53 | 30 | 0.63 | 10 | 33000901002 |
| 101.5 | 109.5 | 0.6 | 0.415 | 1.07 | 0.08 | 0.31 | 58 | 30 | 0.67 | 5, 10, 15 | 33001001002 |
| 105 | 113 | 0.6 | - | - | - | - | - | 30 | 0.69 | - | 33001051002 |
| 110 | 118 | 0.6 | 0.375 | 0.97 | 0.07 | 0.26 | 63 | 30 | 0.72 | 10 | 33001101002 |
| 115 | 123 | 0.6 | 0.36 | 0.93 | 0.07 | 0.24 | 66 | 30 | 0.75 | 5, 10, 15 | 33001151002 |
| 120 | 128 | 0.6 | 0.345 | 0.89 | 0.065 | 0.22 | 68 | 30 | 0.79 | 10, 15 | 33001201002 |
| 126.5 | 134.5 | 0.6 | 0.335 | 0.86 | 0.065 | 0.2 | 71 | 30 | 0.83 | 10, 15 | 33001251002 |
| 130 | 138 | 0.6 | 0.32 | 0.82 | 0.06 | 0.19 | 73 | 30 | 0.85 | 10 | 33001301002 |
| 140 | 148 | 0.6 | 0.295 | 0.76 | 0.055 | 0.16 | 78 | 30 | 0.91 | 10, 15 | 33001401002 |
| 151.5 | 159.5 | 0.6 | 0.275 | 0.71 | 0.055 | 0.14 | 83 | 25 | 0.98 | 10, 15 | 33001501002 |
| 155 | 163 | 0.6 | - | - | - | - | - | 25 | 1.01 | - | 33001551002 |
| 162 | 170 | 0.6 | 0.26 | 0.67 | 0.05 | 0.12 | 88 | 25 | 1.05 | 10, 15 | 33001601002 |
| 170 | 178 | 0.6 | 0.245 | 0.63 | 0.045 | 0.11 | 93 | 25 | 1.1 | 10 | 33001701002 |
| 175 | 183 | 0.6 | - | - | - | - | 96 | 25 | 1.13 | - | 33001751002 |
| 180 | 188 | 0.6 | 0.23 | 0.59 | 0.045 | 0.1 | 98 | 25 | 1.16 | 10 | 33001801002 |
| 202.3 | 210.3 | 0.6 | 0.21 | 0.54 | 0.03 | 0.11 | 108 | 20 | 1.33 | 10, 15 | 33002001002 |
| 225 | 233 | 0.6 | 0.185 | 0.48 | 0.025 | 0.09 | 121 | 15 | 1.46 | 10 | 33002251002 |
| 250 | 258 | 0.6 | 0.165 | 0.43 | 0.025 | 0.07 | 133 | 15 | 1.62 | 10 | 33002501002 |
| 254 | 262 | 0.6 | 0.165 | 0.42 | 0.025 | 0.06 | 135 | 15 | 1.65 | - | 33002541002 |

| Inner Ø [mm] | Outer Ø [mm] | Wall th. [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. |
|-----------------|-----------------|------------------|---------------------|---------------------|---------------------|-----------------------|-------------------|-----------------|------------------|-------------|-------------|
| 280 | 288 | 0.6 | 0.15 | 0.38 | 0.02 | 0.05 | 148 | 15 | 1.82 | 10 | 33002801002 |
| 300 | 309 | 0.6 | 0.14 | 0.36 | 0.02 | 0.05 | 159 | 15 | 2.12 | 10 | 33003001002 |
| 305 | 314 | 0.6 | 0.135 | 0.35 | 0.02 | 0.05 | 162 | 10 | 2.15 | 10 | 33003051002 |
| 315 | 324 | 0.6 | 0.135 | 0.34 | 0.02 | 0.05 | 167 | 10 | 2.22 | 10 | 33003151002 |
| 325 | 334 | 0.6 | - | - | - | - | - | 10 | 2.29 | - | 33003251002 |
| 350 | 359 | 0.6 | 0.12 | 0.31 | 0.02 | 0.04 | 184 | 10 | 2.47 | 10 | 33003501002 |
| 356 | 365 | 0.6 | 0.115 | 0.3 | 0.015 | 0.03 | 187 | 10 | 2.51 | 10 | 33003561002 |
| 400 | 409 | 0.6 | 0.105 | 0.27 | 0.015 | 0.02 | 209 | 10 | 2.82 | 10 | 33004001002 |
| 406 | 415 | 0.6 | - | - | - | - | - | 10 | 2.86 | - | 33004061002 |
| 450 | 459 | 0.6 | - | - | - | - | 234 | 10 | 3.16 | - | 33004501002 |
| 500 | 510 | 0.6 | - | - | - | - | 260 | 10 | 4.36 | 5, 10 | 33005001002 |

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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