

FIREPROOF, ANTISTATIC, FOOD-GRADE HEAVY DUTY POLYURETHANE TUBE (PUP-PHP_AL_AS-INOX) - 2.0

HOSES › PIPES suitable for ATEX environments

Applications

- Pipe suitable for transferring extremely abrasive bulk materials such as granules and stone, food, pharmaceutical products
- Transfer rice, dry food, cereal products, sugar, powdered milk, powder, coffee, tea, flour, frozen foods
- Vacuum suction, dosing systems
- Compressible
- Agriculture: pneumatic transfer of cereals
- Ideal for mixers, dryers, packaging machines, big-bag filling and emptying, mills
- Stable: feed production, vegetable feed, transport of generic feed.
- Vehicles or silos, tanker: filling and emptying silos.



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Property

- Super heavy execution
- Extremely abrasion-resistant thanks to the wall reinforcement underneath the stainless steel wire with a reduced spiral pitch
- For vacuum and maximum compression force
- Admission to EU Regulation 10/2011, EC 1935/2004 and EU 2015/174 by an independent testing laboratory for complete food grade polyurethane hose quality according to FDA 21 CFR 177.2600
- Approval according to EU Regulation 10/2011 (food simulant E) and EC 1935/2004
- odorless and tasteless
- resistant to microbes and hydrolysis
- good resistance to chemicals, industrial oils and hydrocarbons
- excellent cold flexibility
- Permanently antistatic wall: according to ISO 8031 volume resistance and surface resistance $<10^9$ (according to TRGS 727 $<2.5 \cdot 10^8 \text{ } \Omega \cdot \text{m}$ and NFPA 652 108-10⁹ Ω)
- according to ATEX 2014/34/EU (1999/92/EC) and German TRGS 727 for the pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 indoors), extraction of combustible dusts (Zone 22 indoors)
- according to ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for the transport of flammable liquids (within zone 0, 1, 2), for the transport of non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- according to DIN 26057 type 4
- Production process according to GMP CE 2023/2006
- RoHS compliant
- REACH based on -> Technical information / technical / REACH

Temperature range: -40°C to 90°C

Construction

1. Reinforcement with spring steel wire embedded in the wall. Stainless steel wire
2. Wall: permanent antistatic
3. Wall thickness approx. 2.0 - 2.5 mm
4. Reinforcement of primary wear areas

Packaging: standard 10-meter rolls or custom sizes

| diameter internal mm | external diameter mm | Pressure maximum bar | Depression bar | Radius of curvature mm | Weight Kg/m |
|----------------------|----------------------|----------------------|----------------|------------------------|-------------|
| 32 | 43 | 5,180 | 1,000 | 90 | 0.68 |
| 38 | 49 | 4,425 | 1,000 | 104 | 0.79 |
| 40 | 51 | 4,225 | 1,000 | 109 | 0.82 |
| 51 | 62 | 3,155 | 1,000 | 134 | 1.02 |
| 60 | 71 | 2,890 | 1,000 | 156 | 1.18 |
| 63 | 74 | 2,780 | 1,000 | 163 | 1.23 |
| 70 | 82 | 2,495 | 1,000 | 186 | 1.37 |
| 76 | 88 | 2,330 | 1,000 | 195 | 1.48 |
| 80 | 92 | 2,195 | 1,000 | 205 | 1.55 |
| 90 | 101 | 2,170 | 1,000 | 250 | 1.70 |
| 102 | 115 | 1,890 | 1,000 | 272 | 2.31 |
| 127 | 140 | 1,450 | 0.870 | 336 | 2.85 |
| 152 | 165 | 1,375 | 0.725 | 435 | 3.73 |