

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

HOSES › Food grade hoses for abrasive fluids

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