


ANTISTATIC FOOD GRADE POLYURETHANE TUBE (PUR_ALAS_INOX) - 1.0

HOSES › PIPES suitable for ATEX environments

Applications:



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- potentially explosive area 
- flexible hose for abrasive powder, bulk material, granules and for gas
- Food industry, pharmaceutical industry: food, pharmaceutical products
- Vacuum conveyors, suction conveyor, dosing system.
- Mixers, dryers, packaging machines, mill filling and emptying
- Transport of rice, dry food, cereal products, sugar, milk powder, powder, coffee, tea, cereals, flour, frozen powdered food.

Property

- Medium heavy execution
- highly abrasion resistant
- Admission to EU Regulation 10/2011, EC 1935/2004 and EU 2015/174 by an independent testing laboratory.
- Food Grade Polyurethane: 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
- Surface resistance $<10^9$ (according to TRGS 727 $<2.5 \cdot 10^8 \text{ O}^* \text{m}$ and NFPA 652 108-10? O)
- Suitability ATEX 2014/34/EU (1999/92/EC) and German TRGS 727 for pneumatic conveying of flammable dust and bulk materials (Zone 20, 21, 22 indoors), extraction of combustible dust (Zone 22 indoors)
- Suitability ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for the transport of flammable liquids (within zone 0, 1, 2)
- Suitable for the transport of non-flammable liquids, for use in zone 1 and 2 (gas), for use in zone 0 (gas)
- Production process according to GMP CE 2023/2006
- RoHS compliant
- REACH based on customer technical information.

Standard packages: 10 meters

diameter	diameter	Pressure	Depression	Radius of	weight
internal	external	at 23°C	at 23°C	curvature	
mm	mm	bar	bar	mm	Kg/m
25	33	2,640	0.680	22	0.22
32	40	2,090	0.440	28	0.28
38	46	1,775	0.370	32	0.32
40	48	1,690	0.355	33	0.34
50	58	1,365	0.285	39	0.41
60	68	1,145	0.235	45	0.49
63	73	1,055	0.220	48	0.59
70	79	0.985	0.145	52	0.59
76	84	0.920	0.135	55	0.64
80	89	0.865	0.125	58	0.68
90	99	0.770	0.110	64	0.75
102	109	0.695	0.105	70	0.97
110	119	0.630	0.095	76	1.06
127	134	0.550	0.085	85	1.20
140	149	0.500	0.075	94	1.34
152	159	0.465	0.075	100	1.52
160	169	0.435	0.070	106	1.61
203	209	0.350	0.055	133	2.03