

## FOOD GRADE ANTISTATIC FIREPROOF HEAVY POLYURETHANE HOSE (PU-P\_AS\_AL) - 1.5

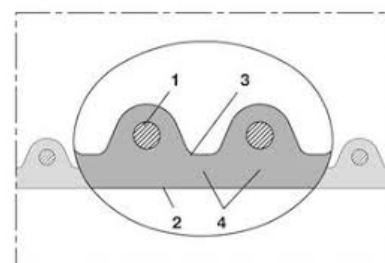
HOSES › Pipes for the pharmaceutical industry

Flexible hose in anti-abrasive polyurethane, HEAVY DUTY construction for heavy-duty applications in the food and pharmaceutical industries, resistant to microbes and flame (FIREPROOF).

Good resistance to chemicals, industrial oils and hydrocarbons. Structure in permanent antistatic polyurethane with a thickness of approximately 1.4/1.5mm, smooth inside with reinforcing spiral. Ideal for pneumatic conveying systems, both pressurized and vacuum-operated, for grain, animal feed, sugar dosing systems, powdered milk, coffee, tea, flour, and frozen foods. Excellent resistance to atmospheric agents, ozone, and UV rays. Transparent in color. Smooth interior for exceptional flow, suitable for heavy-duty suction and delivery of dust, sawdust, shavings, textile fibers, and paper. Suitable for the conveyance of food products in accordance with the DDC.

Permanent electrically conductive component material, suitable for use in ATEX zones

- Admission to EU Regulation 10/2011, EC 1935/2004 and EU 2015/174 by an independent testing laboratory for the complete hose, 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 volume resistance and surface resistance  $<10^9$  (according to TRGS 727  $<2.5 \cdot 10^8 \Omega \cdot m$  and NFPA 652 108-10<sup>9</sup> Ω)
- according to ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic conveying of flammable dusts and bulk materials (Zone 20, 21, 22 indoors), extraction of combustible



[Mastertubi.it/q?854](http://Mastertubi.it/q?854)

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 3
- Production process according to GMP CE 2023/2006
- RoHS compliant
- REACH based on -> Technical information / technical / REACH

TEMPERATURE RANGE: -40°C to 90°C - briefly up to 125°C

### CONSTRUCTION:

**Spiral in stainless steel wire INOX** ; Wall in ether-based polyurethane, permanently antistatic; Wall thickness approximately 1.4 - 1.5 mm depending on the diameter; Standard package 10 meters, 15/20 on request.

### TO TAKE INTO CONSIDERATION DURING ASSEMBLY:

This tube has a direction of operation identified by arrows marked on the tube along its entire length,  
they specify the directional direction of the flow.

### 12 METER ROLLS

diameter internal mm	external diameter mm	Pressure maximum bar	Depression bar	Radius of curvature mm	Weight Kg/m
13	20	4.50	1,000	14	0.14
16	23	4.42	1,000	15	0.16
20	27	4.25	1,000	17	0.23
22	29	3.90	0.95	18	0.25
25	32	3.47	0.9	20	0.28
30	40	3.60	0.88	25	0.42
32	42	3.40	0.875	26	0.44
35	45	3.12	0.87	28	0.48
38	48	3.90	0.865	29	0.52

40	50	2.76	0.855	30	0.54
45	55	2.47	0.845	33	0.6
50	60	2.23	0.835	35	0.66
55	65	2.04	0.790	38	0.72
60	70	1.88	0.730	40	0.78
63	75	1.74	0.675	43	0.84
70	81	1.62	0.605	62	0.98
75	86	1.52	0.555	66	1.05
80	91	1.42	0.505	69	1.11
90	101	1.27	0.385	76	1.25
100	111	1.15	0.355	83	1.49
110	121	1.05	0.325	90	1.63
115	126	1.00	0.300	94	1.68
120	131	0.96	0.28	97	1.77
127	136	0.92	0.265	101	1.84
130	141	0.89	0.24	104	1.91
140	151	0.82	0.215	111	2.03
150	161	0.77	0.18	118	2.41
160	171	0.72	0.165	125	2.56
165	176	0.7	0.16	129	2.64
180	191	0.64	0.135	139	2.87
200	213	0.58	0.12	156	3.12
250	263	0.46	0.075	191	3.88

300

313

0.39

0.065

226

5.16