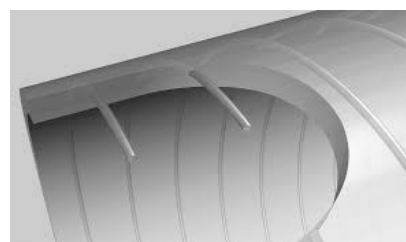


## LIQUIDS\_PU\_INOX\_FOOD\_AS

HOSES › PIPES suitable for ATEX environment

### Applications

- flexible hose/duct for high flow rate of extremely abrasive bulk material, granulate and stone
- food industry, pharmaceutical industry: food, pharmaceutical
- transportation of dry foods, such as rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- pelletizing machines/tablet presses
- explosion hazard zone
- animal stable, animal stable: feed transport, feed plant, animal feed transport
- silos and tanks: silo loading, silo unloading
- silos and tanks: transport of, for example, rice, dry foods, cereals, sugar, powdered milk, powders, coffee, tea, cereals, flour, frozen foods.



[Mastertubi.it/q?1550](http://Mastertubi.it/q?1550)

### Property

- super resistant
- very high resistance to pressure, vacuum and compression
- Approved by an independent testing laboratory for the complete hose according to EU Directive 10/2011, EC 1935/2004 and EU 2015/174, food grade polyurethane, compliant with FDA 21 CFR 177.1210 and FDA 21 CFR 175.300
- Approved according to EU Directive 10/2011 (food simulant E) and EC 1935/2004
- odorless and tasteless
- resistant to microbes and hydrolysis
- good resistance to oil, petrol and chemicals
- excellent flexibility at low temperatures
- Permanently antistatic wall: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to TRGS 727  $<2.5 \cdot 10^8 \Omega \cdot m$  and NFPA 652  $10^8-10^9 \Omega$ )
- 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 internal), suction of combustible dusts (zone 22 internal),
- 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)
- manufacturing process according to GMP CE 2023/2006

- RoHS compliant
- REACH according to --> Technology / Technical information / REACH

#### SPECIFIC PROPERTIES:

- 1. Spring steel wire spiral embedded in the wall; spiral: stainless steel wire (INOX)
- 2. Smooth interior and exterior; wall: permanently antistatic premium ethereal polyurethane (Pre-PUR<sup>®</sup>)
- 3. Wall thickness approximately 4 to 6 mm, depending on the diameter

**Temperature range: -40° +90° C**

DIAMETER INTERNAL	DIAMETER EXTERNAL	PRESSURE	EMPTY	RADIUS OF CURVATURE	WEIGHT
mm	mm	bar	bar	mm	Kg/m
32	40	5.5	1	144	0.45
38	46	5.5	1	171	0.59
40	48	5.5	1	180	0.65
51	58	5.0	1	225	0.96
60	68	5.0	1	270	1.12
63	73	5.0	1	293	1.21
76	83	5.0	1	338	1.38
102	110	4.0	0.8	500	1.80