



### Limitations

Respect the bending radius and work pressure established values.

### Regulations

Abrasil produced in compliance with:

- US FDA Standard 21 CFR 177.260
- USP Class VI <88>, in vivo test.
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg10/2011/EEC

This hose is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS)

### Applications

Hose recommended for suction and transport in food and pharmaceutical industries. Generally acceptable for pneumatic transport of non-flammable bulk materials and suction of all types of abrasive particles. Also recommended for the chemical industry. It is recommended especially when the inner product is abrasive. It has smooth inner and outer appearance.

### Properties

- Completely non-toxic.
- White and smooth inner and outer appearance.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8  $\mu\text{m}$  (or 0.5  $\mu\text{m}$  on request).
- Operational temperature range from -20°C (-4°F) to +90°C (194°F), it may reach up to +120°C (248°F) during short periods of time.
- The standard manufacturing length is 4 meters long (13.12 ft.), but in specific diameters a length of 6 meters (19.69 ft) can be manufactured.
- It can be cleaned with steam or SIP process at 120°C.
- Loss of volume of 40-50mm<sup>3</sup> according to ISO 4649, ASTM D5963 and DIN 53516.

### Technical Specifications



Inner Diameter		Wall thickness		Working Pressure ISO 1402		Bursting Pressure ISO 1402		Bending Radius ISO 1746	
mm	inch	+1/-0.5 mm	+0.04/-0.02 inch	Bar at 20°C	Psi at 68°F	Bar at 20°C	Psi at 68°F	mm	inch
6	¼	5.0	0.20	14.5	210.3	43.5	630.9	28.6	1.13
8	5/16	5.0	0.20	14.1	204.8	42.4	614.3	31.4	1.24
10	3/8	5.0	0.20	13.7	199.3	41.2	598.0	34.4	1.35
13	½	5.0	0.20	13.2	191.3	39.6	574.0	39.1	1.54
16	5/8	5.0	0.20	12.7	183.5	38.0	550.6	44.3	1.74
19	¾	5.0	0.20	12.1	175.9	36.4	527.7	49.7	1.96
22	7/8	5.0	0.20	11.6	168.5	34.8	505.4	55.6	2.19
25	1	5.0	0.20	11.1	161.2	33.3	483.7	61.8	2.43
32	1 ¼	5.0	0.20	10.0	145.1	30.0	435.2	77.7	3.06
38	1 ½	5.0	0.20	9.1	132.0	27.3	396.0	92.9	3.66
51	2	5.0	0.20	7.3	106.3	22.0	318.9	130.8	5.15
63	2 ½	5.0	0.20	5.9	85.7	17.7	257.2	171.8	6.76
76	3	5.5	0.22	4.6	66.8	13.8	200.4	222.8	8.77
102	4	5.5	0.22	2.7	39.6	8.2	118.7	345.2	13.59

## Construction

This reference is manufactured with two polyester fabric reinforcement and a metal wire spring, everything encased inside the hose.

## Additional information

The table below represents

