



Limitations

Respect the work pressure established values.

Mind the chemical compatibility of the fluid with the silicone.

The transport of abrasive particles is not recommended.

Regulations

Platinum cured silicone produced in compliance with:

- US FDA Standard 21 CFR 177.2600.
- German BfR Standard part XV.
- USP Class VI <88> in vivo tests.
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC.

Silicone rubber manufactured in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS).

Applications

It is especially recommended for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries. It offers an extremely broad field of applications.

These hoses are able to transport liquid or semi-liquid foodstuffs at high temperatures by impulsion or suction, since their design can resist pressure or vacuum.

This hose has the particularity that initially it is manufactured in a straight form but it can be conformed to any form using the hands.

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner appearance, white and smooth outer appearance.
- It is equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 µm (or 0.5 µm on request).
- **The whole hose might be reshaped with the hands excluding the cuffed ends which are marked with vertical lines**
- Operational temperature range from -60°C (-75 F) to +180°C (356 F), it may reach up to 200°C (392 F) during short periods of time.
- In some length there is a limitation in the forms that the hose could acquire.

Construction

The construction of this hose is protected with the patent Nr. ES2446848A1

Technical Specifications

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Bending Radius ISO 1746/2000	
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
16	5/8	5.5	0.22	7.5	108.8	22.5	326.3	50	1.96
19	3/4	5.5	0.22	6.3	91.4	18.9	274.1	55	2.17
20	4/5	5.5	0.22	5.9	85.6	17.9	259.6	55	2.17
22	7/8	5.5	0.22	5.4	78.3	16.2	234.9	60	2.36
25	1	5.5	0.22	4.7	68.2	14.0	203.0	68	2.68
28	1 1/9	5.5	0.22	4.2	60.9	12.6	182.7	72	2.83
32	1 1/4	5.5	0.22	4.0	58.0	12.0	174.0	80	3.15