



Applications

It is especially recommended for pressurized air or water conduction at high temperatures, can be used in vehicles and in the industrial sector.

It is recommended for their use in applications where weight is a relevant factor due to their lightness and high pressure resistance. For use transport of high temperature fluids in general industry.

It is recommended for competition and aeronautical sectors, where high benefits combined with lightness are key factors.

Limitations

Respect the work pressure established values.

Gas oil and oil stains do not damage the tubes, but they should not be used to transport fuel or oil, nor be submerged in these liquids.

This type of tube is not recommended for applications with negative pressure (vacuum).

This product is not recommended for the transport of abrasive particles

Regulations

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

Properties

- **It does not experiment diametrical expansion to work pressure. Being simultaneously light and thin.**
- When weight and thickness are reduced a 20% versus one standard three plies hose the bursting pressure gets doubled.
- **There is a 50% of increase in the bursting pressure over the standard four plies hose, while the weight is reduced by 50%.**
- Not affected by anti-freeze or antirust liquids.
- Highly resistant to hardening with very good compression characteristics.
- Excellent flexibility during the assembly process.
- Smooth inner and outer appearance, and blue color. Upon request, can also be supplied in other colors (red, green, black...).
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- 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.
- The maximum manufacturing length is 4 meters long (13.12 ft.).

Technical Specifications



Inner Diameter		Wall Thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Weight	
<i>mm</i>	<i>inch</i>	<i>+1/-0.5 mm</i>	<i>+0.04/- 0.02 inch</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>g/m</i>	<i>Lb/ft</i>
18	3/4	3.3	0.13	14.5	210.25	44	638	320	0.21
20	4/5	3.3	0.13	13.5	195.75	41	594.5	360	0.24
25	1	3.3	0.13	11.5	166.75	35	507.5	450	0.30
28	1 1/9	3.3	0.13	10.3	149.35	31	449.5	500	0.34
32	1 1/4	3.3	0.13	9.3	134.85	28	406	575	0.39
38	1 1/2	3.3	0.13	8.3	120.35	25	362.5	675	0.45
45	1 4/5	3.3	0.13	7.3	105.85	22	319	800	0.54
50	2	3.3	0.13	7.0	101.50	21	304.5	850	0.57

The pressure is reduced by 30% in the case of molded elbows.

Construction

This reference is manufactured with two polyester plies and a polymeric reinforcement.