



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).

Applications

This reference is recommended for its use in cooling systems in buses, coaches, lorries and industrial vehicles, cooling systems in cogeneration units and marine engines, and transport of high temperature fluids in general industry.

These hoses are commended for its use in straight sections without curves.

Properties

- Smooth inner and outer appearance. Red outer and inner color.
- Excellent flexibility during the assembly process.
- Not affected by anti-freeze or anti-rust liquids.
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone and UV)
- Highly resistant to hardening with very good compression characteristics.
- Operational temperature range from -60°C (-75 F) to +200°C (392 F), it may reach up to 220°C (428 F) during short periods of time.
- The standard manufacturing length is 4 meters long (13.12 ft.), although it is available in shorter lengths if necessary. It can also be manufactured in shaped form as elbow or double curves.

Construction

This reference could be manufactured with three or four reinforcements. For other construction, please contact your sales office.

Technical Specifications

For the three reinforcement construction (Vena® Sil LLRT 200) the technical specifications are listed below:

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009	
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
18	5/7	4.30	0.17	13.4	194.3	40.3	584.4
25	1	4.30	0.17	8.4	121.8	25.3	366.9
35	1 3/8	4.30	0.17	5.5	79.2	16.2	237.5
38	1 1/2	4.30	0.17	4.6	66.7	13.7	198.7
48	1 7/8	4.30	0.17	4.1	59.5	12.3	178.4
60	2 3/8	4.30	0.17	3.5	51.2	10.6	153.7
65	2 9/16	4.30	0.17	3.3	47.9	9.9	143.6
70	2 3/4	4.30	0.17	3.1	44.5	9.2	133.4
75	3	4.30	0.17	2.8	40.6	8.4	121.8
80	3 1/8	4.30	0.17	2.6	37.2	7.7	111.7
90	3 1/2	4.30	0.17	2.1	30.5	6.3	91.4

For the four reinforcement construction (Vena® Sil LLRT 240) the technical specifications are listed below:

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009	
<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>
18	5/7	5.30	0.21	14.6	211.7	43.8	635.1
25	1	5.30	0.21	10.4	150.8	31.3	453.9
35	1 3/8	5.30	0.21	8.4	122.2	22.7	366.8
38	1 1/2	5.30	0.21	7.8	113.1	23.5	340.8
48	1 7/8	5.30	0.21	6.1	88.5	18.3	265.4
60	2 3/8	5.30	0.21	5.4	78.3	16.1	233.5
65	2 9/16	5.30	0.21	5.0	72.5	15.0	217.5
70	2 3/4	5.30	0.21	4.7	68.2	14.1	204.5
75	3	5.30	0.21	4.4	63.8	13.4	194.3
80	3 1/8	5.30	0.21	4.2	60.9	12.6	182.7
90	3 1/2	5.30	0.21	3.7	53.7	11.2	162.4
100	4	5.30	0.21	2.2	31.9	6.5	94.3