



Applications

This hose is especially recommended for heating and cooling systems in vehicles and in the industrial sector and for places where a high resistance to pressure is needed and where a high degree of flexibility is required.

These hoses are able to transport liquid or semi – liquid by impulsion or suction, since their design can resist pressure or vacuum.

Limitations

Respect the bending radius and 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.

Mind the chemical compatibility of the fluid with silicone.

This product is not recommended for the transport of abrasive particles.

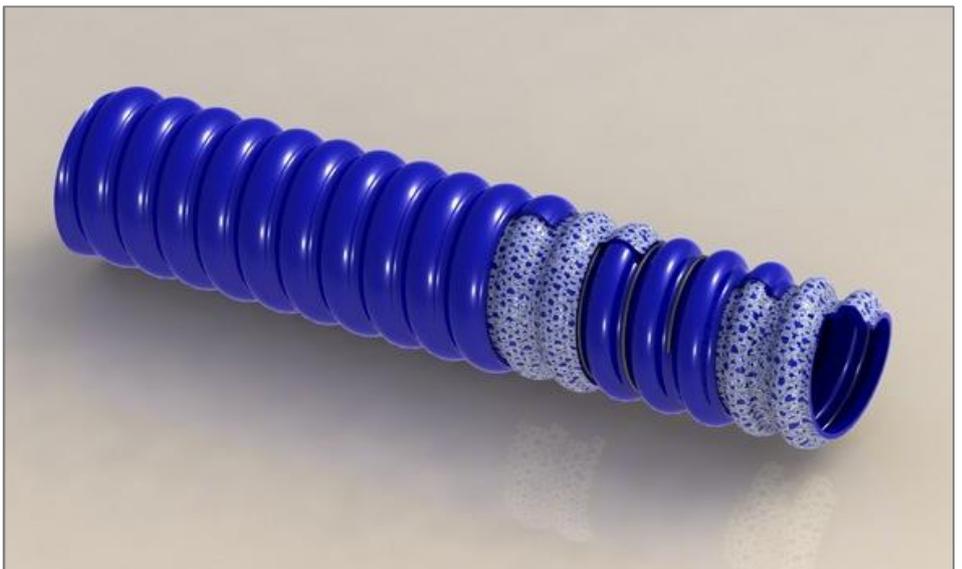
Regulations

- The burning, smoke and dripping class of this reference is S-3, SR-2 and ST-2 according to DIN 54837:2007 test standard and DIN 5510-2:2009 classification standard.
- Silicone rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS).

Properties

- Not affected by anti-freeze or antirust liquids.
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- Highly resistant to hardening with very good compression characteristics.
- Corrugated inner and outer appearance, and blue color. Upon request, it can also be supplied in other colors.
- Operational temperature range from -50°C (-58 F) to +180°C (356 F), it may reach up to 200°C (392 F) during short periods of time.
- Product usually manufactured in 4m (13.12ft) of length but it can be manufactured in shorten lengths with smooth cuffed ends.
- The vacuum resistance for this hose is 0.80 bar (11.60 psi).

Technical Specifications



Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Bending radius ISO 1746/1983	
<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>mm</i>	<i>inch</i>
6	1/4	4.20	0.17	12.5	181.0	37.4	542.9	46	0.15
8	5/16	4.20	0.17	11.4	164.6	34.1	493.8	46	0.15
10	3/8	4.20	0.17	10.5	151.9	31.4	455.8	46	0.15
16	5/8	4.20	0.17	8.6	125.2	25.9	375.6	49	0.16
18	5/7	4.20	0.17	8.2	118.5	24.5	355.5	51	0.17
25	1	4.20	0.17	6.9	99.8	20.7	299.5	59	0.19
28	1 1/8	4.20	0.17	6.4	93.4	19.3	280.2	64	0.21
30	1 3/16	4.20	0.17	6.2	89.5	18.5	268.4	67	0.22
32	1 3/8	4.20	0.17	5.9	85.8	17.8	257.4	71	0.23
38	1 1/2	4.20	0.17	5.2	76.0	15.7	228.1	84	0.28
40	1 9/16	4.20	0.17	5.0	73.1	15.1	219.4	89	0.29
42	1 3/4	4.20	0.17	4.9	70.3	14.6	211.0	94	0.31
45	1 7/8	4.20	0.17	4.6	66.4	13.7	199.3	103	0.34
51	2	4.20	0.17	4.1	59.3	12.3	177.9	122	0.40
52	2 1/21	4.20	0.17	4.0	58.2	12.0	174.6	125	0.41
53	2 3/32	4.20	0.17	3.9	57.1	11.8	171.4	129	0.42
55	2 1/8	4.20	0.17	3.8	55.0	11.4	165.1	136	0.45
60	2 3/8	4.20	0.17	3.5	50.1	10.4	150.2	156	0.51
63	2 1/2	4.20	0.17	3.3	47.3	9.8	141.9	168	0.55
70	2 3/4	4.20	0.17	2.8	41.3	8.5	123.9	200	0.66
76	3	4.20	0.17	2.5	36.6	7.6	109.9	231	0.76
80	3 1/8	4.20	0.17	2.3	33.7	7.0	101.2	253	0.83
90	3 1/2	4.20	0.17	1.9	27.0	5.6	81.1	313	1.03
100	4	4.20	0.17	1.5	21.0	4.4	63.1	380	1.25

Construction

This reference is manufactured with two polyester fabric reinforcements and embedded steel spring.