Mastertubi S.p.a. - Via Goito 23/9, 10042 Nichelino (To) - Tel. 011.6290003 - Fax 011.6290011 - www.mastertubi.it

SILICONE SLEEVE SIL FR - V0 FIREPROOF 200 C

Fireproof silicone hose according to UL-94

Mastertubi.it/q?586

applications

This reference is recommended for its use in cooling and heating systems of any type of diesel or electric vehicles (buses, trucks, trains ...). It is also recommended for cooling systems in any type of engine or any electrical and electronic device. This reference is made with Aramid fabric reinforcements. The silicone rubber compound is a special formulation that remains stable and immobile when fire is applied; it does not drip and does not emit fumes.

Property

- Not affected by anti-freeze or anti-rust liquids.
- Highly resistant to hardening with excellent compression characteristics.
- Excellent flexibility during the assembly process.
- Smooth internal and external appearance and blue color. Upon request, it can also be supplied in other colors (red, green, black...).
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- Operating temperature range -60°C (-75 F) to **+200°C** (392 F), can reach up to 220°C (428F) during short periods of time.
- The standard production length is 4 meters (13.12 ft), even if it is Available in shorter lengths if required.
- Manufactured with internal diameters between 6 mm and 100 mm, in straight lengths from 1 to 4 m (13.12 ft), elbows or any special shape required.

Construction

This reference is produced with three, four or five aramid fabric reinforcements.

limitations

Respects work pressure stability values. Diesel and oil stains do not damage hoses, but they should not be used to transport fuel or oil, nor be immersed in these liquids. This type of tube is not recommended
for negative pressure (vacuum) applications. This product is not recommended for transporting abrasive particles.

legislation

- This reference is classified as V0 by the UL-94 flammability specification (flame retardant and self-extinguishing).
- The silicone rubber used is in compliance with the EU Directive 2002/95 / ECC for the restriction of the use of hazardous substances (RoHS).

Technical specifications

Straight tubes with 3 aramid reinforcements (Vena® Sil 200):

Diameter internal	Thickness of wall	Operating pressure ISO1402/2009	Burst pressure ISO1402/2009
mm	mm	Bar at 20°C	Bar at 20°C
18	3.70	13.4	40.3
25	3.70	8.4	25.3
35	3.70	5.5	16.2
38	3.70	4.6	13.7
48	3.70	4.1	12.3
60	3.70	3.5	10.6
65	3.70	3.3	9.9
70	3.70	3.1	9.2
75	3.70	2.8	8.4
80	3.70	2.6	7.7
90	3.70	2.1	6.3

Straight tubes with 4 aramid reinforcements (Vena® Sil 200):

Diameth internal	Thickness of wall	Operating pressure ISO1402/2009	Burst pressure ISO 1402/2009
mm	mm	Bar at 20°C	Bar at 20°C
18	4.50	14.6	43.8
25	4.50	10.4	31.3
35	4.50	8.4	22.7
38	4.50	7.8	23.5
48	4.50	6.1	18.3
60	4.50	5.4	16.1
65	4.50	5.0	15.0
70	4.50	4.7	14.1
75	4.50	4.4	13.4
80	4.50	4.2	12.6
90	4.50	3.7	11.2
100	4.50	2.2	6.50