

Technical Data Sheet

Silicone Blue Coolant Hose



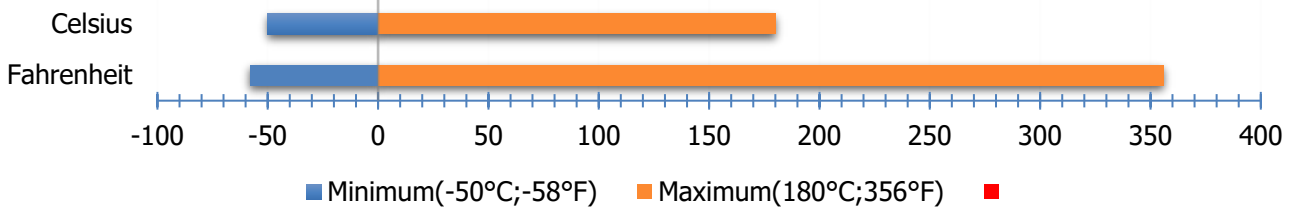
Material

Silicone Rubber Blue Coolant Hose



Available Grades

Temperature Range



Silicone Compound

Tested to BS903 and press cured for 5 minutes tested to BS903 cured for 5 minutes at 115[^]c

- | | | |
|-----------------------|----------------------|------------|
| • Hardness | (IHRD) | 65±5 |
| • Density | (g/cm ³) | 1.26 ±0.03 |
| • Tensile Strength | (Mpa) | 7 min |
| • Elongation at break | (%) | 200 min. |
| • Tear Strength | (KN/m) | 18 |

Reinforcement Fabric

- | | |
|--|--------------------------|
| • Yard | Fine mesh 100% polyester |
| • Thickness | 0.56mm |
| • Bursting Strength (7" diameter ring) | 33 psi |
| • Extensibility at burst | 60% |

Construction

- | | |
|-----------------------------|---|
| • Thickness of Hose: | 4.5mm min. Silicone compound |
| • Layers of reinforcements: | 3 ply for diameter <50mm
4 ply for diameter =>50mm
5 ply for diameter =>102mm |
| • Outside finish: | Cellulose bound (smooth finish) |

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SILEX SILICONES LTD

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E-Mail: sales@silex.co.uk, Website: www.silex.co.uk, Registered company number: 1951973. Place of registration: England & Wales. Directors: K Soudah, S.J. Fearn, P Millson, Ray Soudah

Burst Pressure Rating Chart

Inner Diameter	Ply	Wall (mm) Minimum	Burst Pressure Rating (Bar)	Working Pressure (Bar)
6 (mm)	3	4.5 min.	26.3	8.75
8 (mm)	3	4.5 min.	25.0	8.33
10 (mm)	3	4.5 min.	24.4	8.12
12 (mm)	3	4.5 min.	23.8	7.92
14 (mm)	3	4.5 min.	22.6	7.53
15 (mm)	3	4.5 min.	22.0	7.53
16 (mm)	3	4.5 min.	22.0	7.33
18 (mm)	3	4.5 min.	20.0	6.67
19 (mm)	3	4.5 min.	19.8	6.60
20 (mm)	3	4.5 min.	19.5	6.50
22 (mm)	3	4.5 min.	18.2	6.07
25 (mm)	3	4.5 min.	17.4	5.80
28 (mm)	3	4.5 min.	17.0	5.67
30 (mm)	3	4.5 min.	16.6	5.53
32 (mm)	3	4.5 min.	15.9	5.30
35 (mm)	3	4.5 min.	15.4	5.13
38 (mm)	3	4.5 min.	15.0	5.00
40 (mm)	3	4.5 min.	14.4	4.80
42 (mm)	3	4.5 min.	14.0	4.67
45 (mm)	3	4.5 min.	13.5	4.50
48 (mm)	3	4.5 min.	10.0	3.33
50.8 (mm)	4	5.0 min.	11.0	3.67
54 (mm)	4	5.0 min.	9.2	3.07
55 (mm)	4	5.0 min.	9.0	3.00
57 (mm)	4	5.0 min.	9.0	3.00
60 (mm)	4	5.0 min.	8.0	2.67
61 (mm)	4	5.0 min.	8.0	2.67
64 (mm)	4	5.0 min.	7.0	2.33
65 (mm)	4	5.0 min.	7.0	2.33
70 (mm)	4	5.0 min.	6.5	2.17
76 (mm)	4	5.0 min.	6.0	2.00
80 (mm)	4	5.0 min.	5.5	1.83
83 (mm)	4	5.0 min.	5.2	1.73
85 (mm)	4	5.0 min.	5.0	1.67
89 (mm)	4	5.0 min.	4.5	1.50
95 (mm)	5	5.5 min.	4.0	1.33
102 (mm)	5	5.5 min.	4.0	1.33
115 (mm)	5	5.5 min.	3.6	1.20
127 (mm)	5	5.5 min.	3.0	1.00
140 (mm)	5	5.5 min.	3.0	1.00
152 (mm)	5	5.5 min.	2.6	0.86

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Diameter Ranges

- 1/4" (6mm) to 3" (76mm) : 3 metre lengths
- 3 1/8" (80mm) and above: 1 metre lengths

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