

Technical Data Sheet

Silicone Blue Coolant Hose



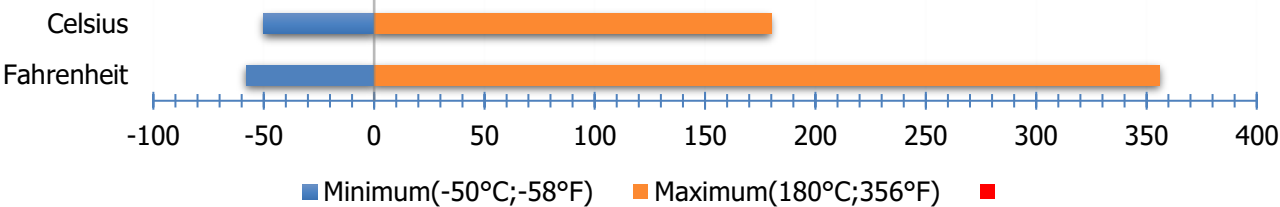
Material

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/cm³) | 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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| 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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