

SILEX

SILICONES



Certificate No. 0372

Specification Sheet for Standard Blue Silicone Hose

1) General

Working Temperature -50°C to +180°C.

Good physical and chemical compatibility with coolant and corrosion inhibitors.

For conveyance of oil and fuel, a Fluorosilicone liner to be supplied.

Standard colour is Blue but other colours are available.

All hoses meet or exceed SAE J20R1 class A.

2) Material Specification

Silicone Compound

Tested to BS903 at pressed 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) 11 min.

Compression set (%) 18

3) Reinforcement Fabric

Yard : Fine Mesh 100% Polyester

Thickness : 0.56mm

Bursting strength (7" diameter ring) : 33 psi

Extensibility at burst : 60%

4) Construction

Thickness of hose : 4.5mm min. Silicone compound

Layers of reinforcements : 3 ply for diameter < 50mm

4 ply for diameter $\geq 50\text{mm}$

5 ply for diameter $\geq 102\text{mm}$

Outside finish : Cellulose bound (smooth finish)

5) Diameter Ranges

¼" (6mm) to 3" (76mm) : 3 metre lengths

3 1/8" (80mm) and above : 1 metre lengths

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