



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<sup>3</sup>) 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 ≥ 50mm

5 ply for diameter ≥ 102mm

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