

## Specification Sheet for Silicon Hoses

### I. General

1. Working Temperature : -50°C to +180°C
2. Good physical and chemical compatibility with coolant, engine oil and diesel.

### II. Material Specification

#### 1. Silicon Compound

- tested to BS903 at pressed cured for 5 minutes at 115°C

(i) Hardness (IHRD)	65 ± 5
(ii) Density (g/cm <sup>3</sup> )	1.26 ± 0.03
(iii) Tensile strength (MPa)	7 min.
(iv) Elongation at break (%)	200 min.
(v) Tear strength (KN/m)	11 min.
(vi) Compression set (%)	18

#### 2. Reinforcement Fabric

Yard : Fine Mesh 100% Polyester

Thickness : 0.56 mm

Bursting strength (7" diameter ring) : 33 psi

Extensibility at burst : 60%

### III. Construction

Thickness of hose : 4.5mm min. silicon compound

Layer of reinforcement : 4 ply for diameter ≥ 50mm

3 ply for diameter < 50 mm