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/cm³) 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