



Manufacturers of high performance silicone turbo & coolant hoses.

FLUOROSILICONE RUBBER

Introduction:

Fluorosilicone rubber combines the fuel and solvent resistance of fluorocarbons with the resistance to extreme temperatures offered by silicones. Withstanding exposure to fuels, oils, solvents, phenols, alcohols, electrolytes, boiling water and steam, fluorosilicones also remain flexible at temperatures as low as -60°C and stable at temperatures as high as 220°C .

Specific Data:

40 Shore Fluorosilicone

Test	Limits	Typical Value
Density (Mg/m^3)	± 0.02	1.43
Hardness (Shore A)	± 5	40
Tensile Strength (Mpa)	8.5 Min	9.30
Elongation at Break (%)	350 Min	450
Tear Strength (kN/m)	19 Min	24.5
Compression Set 22 Hrs @ 175°C (%)	20 Max	12

60 Shore Fluorosilicone

Test	Limits	Typical Value
Density (Mg/m^3)	± 0.02	1.45
Hardness (Shore A)	± 5	60
Tensile Strength (Mpa)	8.0 Min	9.05
Elongation at Break (%)	300 Min	350
Tear Strength (kN/m)	19 Min	24.5
Compression Set 22 Hrs @ 175°C (%)	25 Max	19

The above typical values were obtained from moulded test pieces catalysed with 1.0 PPH Varox DBPH -50 , cured 10 Mins @ 171°C and post cured 4 Hrs @ 200°C .

Unit E, Kingsway Industrial Estate, Kingsway, Luton, Beds, LU1 1LP.

Tel: +44 (0)1582 412697

Fax: +44 (0)1582 412277