

TECHNICAL DATA SHEET
HIGH TEMPERATURE SOLID SILICONE SHEET
WHITE 60 SHORE
-60°C to +270°C

Mechanical Properties

PROPERTY	UNITS	SPECIFICATION LIMIT	TYPICAL VALUE
Hardness	Shore A	60+/-5	60
Tensile Strength	MPa	6.0min	8.3
Elongation to failure	%	250min	393
Tear Strength	N/mm	12.5min	17.8
Compression set	%	35max	15
24 hrs @ 150°C			
22hrs @ 300°F		35max	15

General characteristics for silicone rubber

Brittle Point	-80°C (-112 °F)
Limiting Oxygen Index	24.0%
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹
Radiation Resistance	>10 ⁵ Grays(10 ⁷ rads) typical
Dielectric Strength	23 kV.mm ⁻¹
Dielectric Constant	2.9
Dissipation Factor @ 50c/s	3 x 10 ⁻⁴
Volume Resistivity	3 x 10 ¹⁵ Ω.cm

Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionizing radiation and weathering in general

These products meet the flammability requirements of FAR 25/JAR 25/CS Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests.