



**SOLID SILICONE REINFORCED SHEET**

MATERIAL SPECIFICATION SHEET

**Grades**

60° shore

**Temperature Range**

-60°C (- 76°F) to 230°C (446°F)

Up to 250°C (482°F) intermittent short term

**Specifications**

1 ply glass reinforced high quality silicone sheet.

**Environment Resistance**

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

<b>Mechanical Properties - 60° shore</b>				
<b>Property</b>	<b>Units</b>	<b>Spec Limits</b>	<b>Typical Value</b>	<b>Test Method</b>
Hardness	Shore A	60±5	61	ASTM D2240 DIN 53505
Tensile Strength	MPa	5.5 min	7.1	BSISO 37
	Psi	798 min	1030	ASTM D412 die C
Elongation to Failure	%	200 min	255	BSISO 37
Tear Strength	N/mm	ASTM D412 die C		



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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<b>General Characteristics</b>		
<b>Test</b>	<b>Result</b>	<b>Standard</b>
Brittle point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m-1.K-1	VDE 0304
Radiation Resistance	>105 Grays (107 Rads) typical	VDE 0303
Dielectric Strength	23 kV.mm-1	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10-4	VDE 0303

<b>Fabric – Glass Cloth Properties</b>		
<b>Property</b>	<b>Units</b>	<b>Value</b>
Composition	Warp	Glass
	Weft	Glass
Weight	g/m <sup>2</sup>	204
Warp Count	d'tex	680
Weft Count	d'tex	680
Weave		Plain
Thickness	mm	0.2
Reference		EKC16



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