

Rigid Insulation

Silicone Glass G7

GENERAL

Silicone Glass (G7) is manufactured from Woven Glass Cloth that is impregnated with Silicon Resin. It is then laminated at elevated pressures and temperatures with the resultant product displaying low loss electrical properties under dry conditions. Silicone Glass (G7) is suitable for high operating temperature (Class 220 – "C") applications.

APPLICATIONS

Arc Shutes, Element supports and Aircraft brake linings.

PROPERTIES	ASTM	Units	Values
Flexural strength			
lengthwise	D790	kG / M ²	32.14
crosswise		kG / M ²	25.60
Compressive strength			
Lengthwise	D695	kG / M ²	10.38
crosswise		kG / M ²	8.53
Flatwise		kG / M ²	64.01
Water Absorption	D570		.32% of weight
Specific Gravity	D792		1.83
Dielectric Strength	D149	kV / mm	15
Dielectric Breakdown	D149	kV	>85
Arc resistance (Test Condition A)	D495	seconds	192
Dissipation Factor, 1MHz:	D150		0.0017
U.L Temperature Index		°C	220°C
PHYSICAL			
Colour			Off White
Standard thicknesses		mm	0.25 to 50
Sheet size		mm	950 x 950
Silicon Mica tubes are available in a range of sizes. Refer your local OBA sales office.			
Test Condition A - Based on sample thickness 0.125" (3.2mm)			