

SILICON GLASS LAMINATE

G7



G7 is a glass woven cloth impregnated with silicone resin.

G7 material provides excellent heat resistance and electrical properties and is Class H insulation.

It is used in high temperature applications under the humid conditions.
It has excellent heat resistance and arc resistance properties.

It confirms to NEMA LI G7 and MIL Spec. 24768/17.

Sr. No.	Description	Units	Observed Values
MECHANICAL PROPERTIES			
1	Specific Gravity	g/m ²	1.85 ± 5
2	Flexural Strength	Psi	> 25000
3	IZOD Impact Strength	Ft-lb/in	> 12
4	Water Absorption	%	< 0.02
5	Tensile Strength @ 23°C	Psi	> 20,000
6	Dielectric Strength	KV	> 50
7	Dielectric Strength	Volt/mil.	> 350
8	Arc Resistance	Seconds	> 150
9	Compressive Strength	Psi	> 42000
10	Impact Strength (IZod)	F-lb/ inch	> 12

