



DEMS

Silicone Glass Fabric Laminate

Silicone Glass G7

Silicone glass is a laminated plastics material made from woven glass fabric, bonded with silicone resin.

It is a rigid sheet material with good resistance to high temperatures, good electrical insulation properties, especially in applications involving high frequencies.



- BS EN 60893-3-6
Type SI GC 202
- Colour : White
- Electric strength, edgewise in oil at 90°C : 65 kV
- 200°C Continuous.
- 240°C Intermittent.
- Applications : Class H electrical equipment, or used on a conveyor carrying components through a hot oven process.



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DATA SHEET SILICONE GLASS

<u>PROPERTY</u>	TYPICAL RESULT	UNITS
CROSS BREAKING STRENGTH	140	MPa
IMPACT STRENGTH, NOTCHED, CHARPY	70	KJ/m ²
CROSS BREAKING STRENGTH AT 150°C (AFTER 1 HOUR AT 150°C)	80	MPa
<u>WATER ABSORPTION</u>		
1.6mm thk.	4	mg
3mm thk.	6	mg
6mm thk.	9	mg
<u>ELECTRIC STRENGTH, FLATWISE IN OIL AT 90°C</u>		
1.6mm thk.	14	MV/m
3mm thk.	11	MV/m
ELECTRIC STRENGTH, EDGEWISE IN OIL AT 90°C	65	kV
INSULATION RESISTANCE AFTER IMMERSION IN WATER	1 x 10 ¹¹	ohms
LOSS TANGENT 1 MHz	0.002	
PERMITTIVITY AT 1 MHz	4.2	
FLAMMABILITY CATEGORY	FVO	
COMPARATIVE TRACKING INDEX	800	
RELATIVE DENSITY	1.90	
MAXIMUM WORKING TEMPERATURE**		
CONTINUOUS	200	°C
INTERMITTENT	240	°C
THERMAL CLASSIFICATION (8S2757)	Class 200	