

## Rigid Insulation Melamine Glass - G9

### GENERAL

G9 Melamine Glass is manufactured from woven glass cloth. It is impregnated with melamine resin and laminated at elevated pressures and temperatures.

The resultant product has excellent mechanical properties together with superior

arc resistant and flame retardant properties.

### APPLICATIONS

Arc shields and arc shute chambers. Switch barriers, crane parts etc.

### TYPICAL PROPERTIES:

Electrical & Mechanical		ASTM	Values
Flexural Strength	lengthwise	D790	4689 kG/cm <sup>2</sup> ( 66,700psi)
	crosswise		3649 kG/cm <sup>2</sup> ( 51,900psi)
Compressive Strength	lengthwise	D695	2180 kG/cm <sup>2</sup> ( 31,000psi)
	crosswise		1898 kG/cm <sup>2</sup> ( 27,000psi)
	flatwise		≥3164 kG/cm <sup>2</sup> (≥ 45,000psi)
Water Absorption		D570	0.66% of weight
Specific Gravity		D792	1.97
UL subject 94 (flammability)		UL94	94VO
Dielectric Strength		D149	354 Vpmil(20kv/mm)
Dielectric Breakdown		D149	77Kv
Arc Resistance		D495	191 seconds
Comparative track index (CTI)		UL746A	>500 Volts
UL temperature index			140°C
*Based on sample thickness 0.125" (3.2mm)			
<b>Physical</b>			
Colour		Greyish Brown	
Standard Thicknesses		0.13mm - 50mm	
Sheet Size		1220 x 915mm, 1830 x 1220mm	
<b>NOTE:</b> Also available in tubes from 4.75mm ID up to 250mm OD x 915mm long (manufacturing) refer your local sales office.			