



G11 Epoxy Glass Class H

General Information:

Class H Epoxy glass is manufactured from fine weave woven glass cloth, impregnated with epoxy resin and laminated at elevated pressures and temperatures.

The resultant product has similar properties to G10. However displays greater mechanical properties particularly at elevated temperature to 180°C.

Applications:

Motor/generator slot wedges and packers, fabricated components in electrical switchgear, high frequency applications and in corrosive atmospheres.

Electrical& Mechanical		Values
Impact Strength parallel to laminations(charpy)	Normal Conditions	33MPa
Flexural Strength	Normal Conditions	562MPa
	180°C	341 MPa
Insulation resistance after immersion in water	D-24/23	1.7x107 MΩ
Dielectric strength perpendicular to laminations. (In transformer oil @90±2°C,1mm thick)		14.4MV/m
Breakdown voltage parallel to laminations. (In transformer oil @90±2°C)		41.3KV
Permittivity(48-62Hz)		≤5.5
Permittivity(1MHz)		4.29
Dissipation factor(48-62Hz)		≤0.40
Dissipation factor(1MHz)		0.008
Water Absorption	D-24/23 1.6mm thick	11.7mg
Density		1.70-1.90mg
Flammability	Class	FVO
Physical		
Colour		Nature Green
Standard Thickness		0.1mm-100mm
Sheet Size		1020x1212mm/915x1220mm/1020x2020mm