

DATA SHEET

FIBRA DE VIDRIO EPOXI G -11 (180°C)

Composition

Glass Fiber + Epoxy resin

Properties

Density	g/cm ³	1.70-1.90
Flexural strength perpendicular to laminations (temp.20°C)	Mpa	340
Tensile strength	Mpa	300
Compressive strength perpendicular to laminations	Mpa	350
Impact strength parallel to laminations (Charpy)	kJ/m ²	33
Insulation resistance after impregnated in water	Ω	5x10 ⁸
Dielectric strength (ion oil at 90°±2°C) parallel to laminations	kV	35
Dielectric strength (in oil at 90°±2°C, 1mm thickness) perpendicular to laminations	MV/m	14,2
Permittivity (1MHz)		5,5
Permittivity (48-62 Hz)		5,5
Dissipation factor a 1MHz		0.04
Dissipation factor a 48-62 Hz		0.04
Water absorption (thickness 1.6 mm)	mg	19
Service Temperature	C°	180