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## DATA SHEET

# EPOXY GLASS G -11 (290°C)

### Composition

Glass Fiber + Epoxy Resin

### Properties

Density	g/cm <sup>3</sup>	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 <sup>2</sup>	33
Insulation resistance after impregnated in water	Ω	5x10 <sup>10</sup>
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°	290