



Material Details

Properties	Value
Grade	G10 (Glass Based Laminate - SRBG)
Description	Epoxy glass, commercial epoxy grade.
Comments	General purpose epoxy glass laminate. Temperature class B (130°C), with good mechanical and electrical
Specifications equivalent to this	BSEN60893-3-2-EPGC201. (Which supersedes BS3953 EP3). The closest NEMA specification is G10.
Body Colour	Green
Cover Colour	Green
Standard Finish	Satin / Glossy

General Properties

Properties	Value	Unit
Density	2.0	g/cm ³
Water Absorption	8.0	mg

Electrical Properties

Properties	Value	Unit
IR (24hrs Water Immersed)	17000	G Ω
Electric Strength (Flat Rapid)	MV/m	
Electric Strength (Flat Step by Step)	15	MV/m
Breakdown of Voltage (Edge Step by Step)	80	kV
Relative Permittivity @ 1 MHz	5.2	-
Dissipation Factor @ 1 MHz	0.025	-
Tracking Index	210	V

Mechanical Properties

Properties	Value	Unit
Flexural Strength	482	MPa
Tensile Strength	320	MPa
Impact (Notched CHARPY)	65	kJ/m ²

