

FR4 – EPGC202

Our material is constructed from a woven glass fabric combined with a high Strength epoxy resin. Easily fabricated.

The Material is formulated to have good mechanical strength along with excellent electrical properties at continuous operating temperatures of upto 130°C.

Product / Grade	Sheet Sizes	Thickness Range	Heat Resistance	General Info
FR4 (EPGC202)	2440 x 1020mm 2440 x 1220mm	0.8mm - 150mm	130°C	Good Electrical properties combined with a high impact and humidity resistance UL 94 V-0

Technical Data	Units	Test Method	Values
Colour	-		Light Green
Specific Gravity	g/cm ³	ISO 1183	1.95
Water Absorption	mg	ISO 62	5.5
Temperature Index	-	IEC 60216	130°C
Mechanical Properties			
Flexural Strength	MPa	ISO 178	500
Compressive Strength	MPa	ISO 604	
Impact Strength Charpy	kJ/M ²	ISO 179	60
Tensile Strength	MPa	ISO 527	450
Electrical Properties			
Insulation Resistance	MΩ	IEC 60893	1.0 x 10 ⁹
Breakdown Voltage	kV	IEC 60243	42
Dielectric Strength	kV/mm	IEC 60243	24

This data, while believed to be accurate and based on reliable analytical methods, is for information purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered as "specification values"