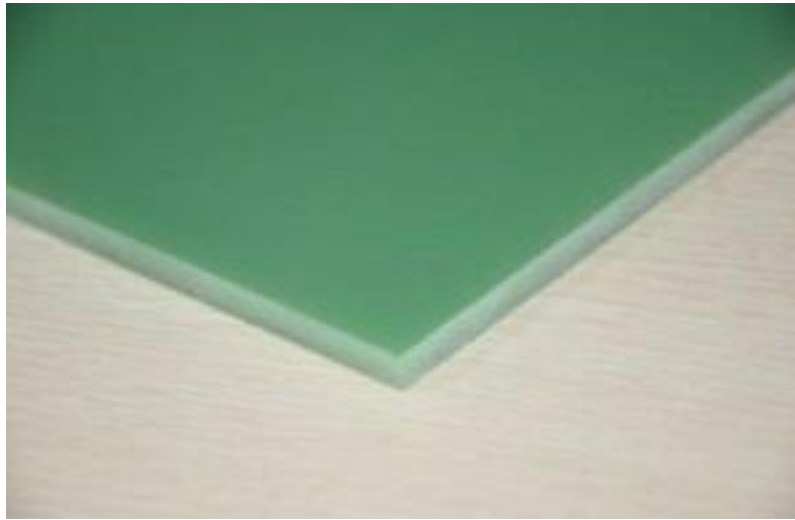


**Datasheet****RS PRO Epoxy Glass FR-4**

Stock No: 2035181

**Technical Specifications:**

<b>Colour</b>	Green Black (carbon free)
Sheet Size	420 x 297mm
Maximum Temperature	130°C
Flammability Rating	UL94 V-0
Electrical Strength Condition A	800 V/mil

## Features & Benefits:

- Engineered to provide NEMA grade FR-4 properties
- Woven glass fabric combined with epoxy resin system
- Certifiable to MIL-I-24768/27, Type GEE-F

General Physical Properties	Units	Value
Specific Gravity	-	1.85
Rockwell Hardness	M Scale	98
Moisture Absorption	%	0.1
Flexural Strength LW CW	Psi	65,000 52,000
Tensile Strength LW CW	Psi	40,000 32,000
Izod Impact Strength LW CW	Ft-lb/in Notched	7.9 7.3
Compressive Strength Flatwise	Psi	66,000
Bonding Strength	Lb	2,300
Shear Strength (Perpendicular)	Psi	21,500

Thermal & Electrical Properties	Units	Value
Temperature Index (electrical/mechanical)	°C	130
Coefficient of Thermal Expansion X-axis Y-axis	"/"/°C·10 <sup>-6</sup>	10.0 13.0
Flammability Rating UL94	Class	V-0
Breakdown Voltage Condition A	KV	66
Electric Strength Condition A	V/mil	800
Permittivity Condition D-24/23	-	4.8
Dissipation Factor Condition D-24/23	-	0.032
Arc Resistance D-495	Sec	130
Comparitive Tracking Index D3638	-	300
T <sub>g</sub>	°C	130