



BGM INTERNATIONAL LLC

**G10/FR4-Grade
Fiberglass Epoxy**

Data Sheet

UL Approved

Product Catalog Number: BGM301

Certifiable to NEMA G10/FR4 & Mil Spec

MIL – I -24768/27

BGM301 is a flame-retardant epoxy resin, fiberglass, laminated sheet.

Typical Physical Properties	Units	Value
Specific Gravity	-	1.89
Temperature Index	C	140
Water Absorption (1.5 mm)	%	< .11
Flexural Strength LW (1.5 mm)	PSI	66,000
Flexural Strength CW (1.5 mm)	PSI	53,000
Rockwell Hardness	M Scale	113
Izod Impact Strength LW	ft-lbs/in	9.8
Izod Impact Strength CW	ft-lbs/in	8.2
Compressive Strength	PSI	64,000
Bond Strength	lbs	2,100
Typical Electrical Properties	Units	Value
Dielectric Condition A	Kv	>50
Dielectric Condition D48/50	Kv	>50
Flammability Rating	U.L. 94	V-0
Permittivity A	-	4.8
Permittivity D24/23	-	4.8
Dissipation Factor D24/23	-	<0.04

This information is based on reliable analytical methods and is for informational purpose only and does not imply a warranty.