

# BGM INTERNATIONAL LLC

## FR4 Data Sheet

**UL Approved**  
**Product Catalog Number: BGM301**  
**Certifiable to NEMA FR4 & Mil Spec MIL-I-24768/27**

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

<b>Typical Physical Properties</b>	<b>Units</b>	<b>Value</b>
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
<b>Typical Electrical Properties</b>	<b>Units</b>	<b>Value</b>
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.