

# BGM INTERNATIONAL LLC

## G10 (Non FR4) Data Sheet

**UL Approved**  
**Product Catalog Number: BGM300**  
**Certifiable to NEMA G10 & MIL-I-24768/2**

**BGM300 is a halogen free epoxy resin, fiberglass laminated sheet.**

<b>Typical Physical Properties</b>	<b>Units</b>	<b>Value</b>
Specific Gravity	-	1.92
Temperature Index	C	130
Water Absorption (1 mm)	%	.02
Flexural Strength LW (3mm)	PSI	66,000
Flexural Strength CW (3 mm)	PSI	55,000
Rockwell Hardness	M Scale	105
Izod Impact Strength LW	ft-lbs/in	9.7
Izod Impact Strength CW	ft-lbs/in	8.4
Compressive Strength	PSI	48,000
Bond Strength	lbs	2,400
<b>Typical Electrical Properties</b>	<b>Units</b>	<b>Value</b>
Dielectric Condition A	Kv	47
Dielectric Condition D48/50	Kv	5
Flammability Rating	U.L. 94	HB
Permittivity A	-	4.8
Permittivity D24/23	-	4.9
Dissipation Factor D24/23	-	0.018

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