



BGM INTERNATIONAL LLC

Grade G10/CR (Non-FR4)

Fiberglass Epoxy

Data Sheet

UL Approved: Class UL94 Class HB Product Catalog

Number: BGM300

BGM300 is a halogen free epoxy, fiberglass laminated sheet with a resin system formulated for cryogenic applications that has very low thermal conductivity.

Typical Physical Properties	Units	Value
Specific Gravity	-	1.80
Temperature Index	C	130
Water Absorption (1 mm)	%	.09
Flexural Strength LW (3mm)	PSI	76,000
Flexural Strength CW (3 mm)	PSI	62,000
Rockwell Hardness	M Scale	105
Izod Impact Strength LW	ft-lbs/in	9.7
Thermal Conductivity	BTU/(hr*ft*f)	0.12
Compressive Strength	PSI	65,000
Bond Strength	lbs	2,400
Typical Electrical Properties	Units	Value
Dielectric Condition A	KV	47
Dielectric Condition D48/50	KV	49
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.