



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

NEMA G-11 (Formable)

Item:	NEMA Grade Formable G-11 - Glass Epoxy Laminate		
Description:	NEMA Grade Formable G-11 material is a formable, high strength medium weave glass epoxy composite that retains 50% of it's original properties at 150°. Typical applications include insulation in power generation equipment and other structural parts.		
Standards:	NEMA LI-1: Grade G-11 • IEC 60893: EPGC 203 • MIL-I-24768: /3-GEB		
Availability:	Laminate Sheets:	English Units (in)	SI Units (mm/cm)
		Thickness:	0.031, 0.047, 0.062, 0.084, 0.098, 0.125
	Sheet Size:	48 x 72	121.9 x 182.8 (cm)
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

Key Characteristics		Test Method	Units - English (SI)	Typical Values
Standard Color		--	--	--
Density		ASTM D-792	g/cm ³	1.9
Moisture Absorption (0.125")		ASTM D-570	%	0.09
Tensile Strength (0.125"), Lengthwise		ASTM D-638	psi (MPa)	40,000 (275)
Compressive Strength (0.5"), Flatwise		ASTM D-695	psi (MPa)	50,000 (344)
Flexural Strength	Lengthwise	ASTM D-790	psi (MPa)	54,000 (372)
	Crosswise			44,000 (303)
IZOD Impact Strength	Edgewise with grain	ASTM D-256	ft-lbs/in	10.0
	Edgewise cross grain			9.0
Arc Resistance		ASTM D-495	Seconds	185
Parallel Dielectric Strength (0.500")		ASTM D-149	kV	65
Bond Strength (0.500")		ASTM D-229	Lb (kg)	1,950 (886)
Temperature Index	Mechanical	LI-6	°C	180
	Electrical			160
Dielectric Constant (0.500") at 1 MHz		ASTM D-150	--	5.1

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.