



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

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:		English Units (in)	SI Units
	Laminate Sheets:	Thickness:	.031, .047, .062, .084, .098, .125 (mm) 0.79, 1.19, 1.57, 2.13, 2.49, 3.1
		Sheet Size:	48 x 72 (cm) 121.9 x 182.8
	Fabricated Parts:	The Gund Company customer fabricates insulation materials to the exact specifications and drawings of 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") LW		ASTM D-638	psi (MPa)	40,000 (275)
Compressive Strength (0.50") Flatwise		ASTM D-695	psi (MPa)	50,000 (344)
Flexural Strength (0.50")	Lengthwise	ASTM D-790	psi (MPa)	54,000 (372)
	Crosswise			44,000 (303)
IZOD Impact Strength	Edgewise w/ 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