



# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

## NEMA G-11 (PTFE Coated)

<b>Item:</b>	<b>NEMA G-11 - PTFE</b>		
<b>Description:</b>	Glass Epoxy, NEMA Grade G-11, is a high-pressure laminate manufactured from a glass cloth substrate impregnated with a high-temperature epoxy resin system. This grade meets or exceeds all specifications for NEMA G-11 material with the additional benefit of an increased temperature rating (exceeding 180°C). Though standard NEMA G-11 materials meet only Class F thermal requirements, Glass Epoxy Grade G-11 is a Class H material. Grade G-11 PTFE has a thin layer of PTFE (Teflon®) laminated to the surface.		
<b>Availability:</b>	<b>Laminate Sheets:</b>	Thickness:	English Units (in) 0.01 - 4.0 SI Units (mm/cm) 0.25 - 102 (mm)
		Sheet Size:	48 x 84, 48 x 96, 48 x 118 122 x 213, 122 x 244, 122 x 300 (cm)
	<b>Fabricated Parts:</b>	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	--	--	Green
Density	ISO 1183/A	lbs/in <sup>3</sup> (g/cc)	0.069 (2.0)
Water Absorption (1/8" Thick)	ISO 62/1	%	0.5
Tensile Strength	ISO 527	psi (MPa)	34,000 (240)
Compressive Strength	ISO 604	psi (MPa)	Lengthwise 50,760 (350)
			Crosswise 72,500 (500)
Flexural Strength	ISO 178	psi (MPa)	23°C 58,000 (400)
			150°C 3,100 (220)
Heat Resistance	IEC 216	°C	180
Dielectric Strength (Perp. 23°C)	IEC 243	V/mil (kV/mm)	512 (20)
Comparative Tracking Index	IEC 112	CTI	180

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.