



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	NEMA G-11 - PTFE		
Description:	Glass Epoxy 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.		
Availability:		English Units (in)	SI Units
	Laminate Sheets:	Thickness:	0.01 - 4
		Sheet Size:	48x84, 48x96, 48x118
	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		--	--	Green
Density		ISO 1183/A	lbs/in ³ (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	Flatwise	ISO 604	psi (MPa)	50,760 (350)
	Edgewise			72,500 (500)
Flexural Strength	23°C	ISO 178	psi (MPa)	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