

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	0.25 - 102 (mm)			
		Sheet Size:	48x84, 48x96, 48x118	122x213, 122x244, 122x300			
	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/in³ (g/cc)	0.069 (2.0)
Water Absorption (1/8	8″Thick)	ISO 62/1	%	0.5
Tensile Strength		ISO 527	psi (MPa)	34,000 (240)
Comprossive Strongth	Flatwise	ISO 604	psi (MPa)	50,760 (350)
Compressive Strength	Edgewise	130 604		72,500 (500)
Eloyural Strongth	23°C	ISO 178		58,000 (400)
Flexural Strength	150°C	130 178	psi (MPa)	3,100 (220)
Heat Resistance		IEC 216	°C	180
Dielectric Strength (P	erp. 23°C)	IEC 243	V/mil (kV/mm)	512 (20)
Comparative Tracking	ı Index	IEC 112	СТІ	180

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