



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Cryo G-10 Cryogenic Glass Epoxy Laminate



Description:	Cryo G-10 is a specialized continuous filament woven fiberglass sheet bonded with low-temperature epoxy resin. The non-brominated material maintains excellent electrical, mechanical, and physical properties in cryogenic environments ranging from -270°C to 135°C. Cryo G-10 from The Gund Company is RoHS and REACH compliant to ensure reliability, safety, and consistency.		
Standards:	NEMA LI-1 (IM 60000): Grade G-10 • MIL-I-24768/2 GEE		
Availability:		English Units (in.)	SI Units (mm/cm)
	Laminated Sheets:	Thickness:	0.006 - 5.0 0.15 - 127 (mm)
		Sheet Size:	30 x 48 / 60 x 48 / 48 x 120 76 x 122 / 122 x 152 / 122 x 305 (cm)
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

Key Characteristics	English Units (SI)	SI Units (mm/cm)
Standard Color	--	Light Green ¹
Density	lbs./in. ³ (g/cc)	0.067 (1.85)

¹ Custom colors available upon request

Key Characteristics	Test Method	Unit	Typical Values
Thermal Conductivity	ISO 8302:1991	W/m°C	Room Temp 0.53
			-196°C 0.28
Coefficient of Thermal Expansion	ISO 11359-2:2021	"/°C x 10 ⁻⁶	Room Temp 26
			-196°C 8
In Plane Shear Strength	ASTM D3846 - 2008	ksi (MPa)	Room Temp 10.5 (73)
			-100°C 20.5 (142)
			-196°C 21 (148)
Compressive Strength	ASTM D695 - 2023	ksi (MPa)	Room Temp 84 (583)
			-100°C 120 (826)
			-196°C 141 (974)
Charpy Impact Strength	ISO 179-1:2023	kJ/m ²	Room Temp 131
			-196°C 147
Flexural Strength	ISO 178:2019	ksi (MPa)	Room Temp 82 (567)
			-100°C 126 (870)
			-196°C 156 (1076)
Tensile Strength	ISO 527-4:2023	ksi (MPa)	Room Temp 78 (537)
			-100°C 102 (708)
			-196°C 109 (754)

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.