



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Gund EPGM203

Item:	Gund EPGM203		
Description:	Gund EPGM203 is random glass mat bonded with high temperature epoxy resin. The material has the ability to maintain excellent mechanical, electrical, and physical properties at elevated temperatures. The Gund Company is RoHS, REACH, EPA, and TSCA compliant to ensure reliability, safety, and consistency.		
Standards:	IEC 60893: EP GM 203 (IEC 60893-3-2)		
Availability:	Laminate Sheets:	Thickness:	English Units (in) .032 - 2 SI Unit (mm) 0.8 - 50.8
		Sheet Size:	39 X 78 1000 X 2000
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.	

Key Characteristics	Test Method	Units - English (SI)	IEC Required	Typical Values
Standard Color	--	--	--	Yellow ¹
Density	IEC 60893-2 8.1	lbs./in ³ (g/cc)	0.065 - 0.072 (1.8 -2.0)	0.069 (1.92)
Flexural Strength (6.35mm)	150°C	IEC 60893-2-5.1	ksi (MPa) 23 (160) min 46 (320) min	29 (203) 56 (385)
	Room Temperature			
Tensile Strength (≥1.5mm)	IEC 60893-2 -5.6	ksi (MPa)	36 (250)	40 (275)
Compressive strength perpendicular to laminations (≥5mm)	IEC 60893-2 -5.3	ksi (MPa)	51 (350)	65 (451)
IZOD Impact Strength (6.35mm)	IEC 60893-2 5.4.3	kJ/m ²	55 min	98
Perpendicular Electric Strength (90°C in Oil, 1.5mm)	IEC 60893-2-6.1	V/mil	305 min	320
Insulation Resistance (After Water Immersion)	IEC 60893-2-6.3	MΩ	5 x 10 ³ min	7.5 x 10 ⁶
Breakdown voltage at 90°C in oil parallel to laminations	IEC 60893-2-6.1	kV	35	47
Water Absorption (6.35 mm)	IEC 60893-2-8.2	mg (%)	33.4 max	24.94 (0.08)
Thermal Class	--	--	--	Class F - 155°C
Interlaminar Shear Strength (Short-Beam)	BS 2782 Method 341A	ksi (MPa)	--	5.8 (40)

¹ Custom colors available upon request

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.