



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Glass Epoxy Laminate Grade Verdur

Description: Glass Epoxy Laminate Grade Verdur is a single layer glass cloth impregnated with a Class F epoxy resin with a B-stage coating on 1 side. Verdur material is used primarily for turn insulation in power generation equipment. Recommended curing cycle is 2 – 4 hours at 160°C.

Availability: Rolls: Up to 39" (1meter) in width with custom coils available upon request
Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers

Material	Base Thickness	Resin Thickness	Total Thickness	Tolerance
Verdur Class F	1 Side Coated			
	0.005" (0.127)	0.0005" (0.013)	0.0055" (0.14)	+/- 10%
	0.008" (0.2)	0.0005" (0.013)	0.0085" (0.22)	+/- 10%

Key Characteristics	Units - English (SI)	Typical Values	
Nominal Thickness	in (mm)	0.005" (0.127)	0.008" (0.2)
Tolerance	in (mm)	+/- 0.0005" (0.013)	+/- 0.0008" (0.02)
Total Substance	g/m ²	115	115
Breakdown Voltage	kV	≥ 1.5	≥ 1.5

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