



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Grade G-3SC Semi-Conductive Glass Phenolic Laminate

Description: Grade G-3SC is a woven glass fabric with a high temperature, semi-conductive phenolic resin with carbon graphite additive for corona dissipation in generator stator slot filler applications.

Availability: Laminate Sheets: English Units SI Units
Thickness: 0.015" to 0.50" 0.38 mm to 12.7 mm
Sheet Sizes: 36" x 48", 36" x 72" 91.4 cm x 122 cm, 91.4 cm x 183 cm

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Standard Color	--	--	Black
Rockwell Hardness (.062")	ASTM D-785-89	M Scale	110
Surface Resistivity	--	Ohms/square	200 - 20,000
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	48,000 (330)
Flexural Strength (.125"), LW CW	ASTM D-790	psi (MPa)	34,000 (234) 25,000 (172)
Bonding Strength (.50")	ASTM D-229	lb. (kg)	1,100 (498)

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