



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Low Shrink Black Canvas Phenolic

Description: This is a high strength material with excellent machining qualities exceeding the requirements of General Electric Specification A50A341A. Given its dimensional stability when exposed to high temperature, this material is perhaps the best generator wedge material on the market.

Availability: Laminate Sheets: Thickness: English Units: 0.125" to 2.5" SI Units: 0.2 mm to 101.6 mm
Sheet Sizes: 36" x 48", 39" x 48", 48" x 48" 91.4 cm x 122 cm, 99 cm x 122 cm, 122 cm x 122 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
Tensile Strength, CW LW	ASTM D-638	psi (MPa)	10,000 (69) 12,000 (83)
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	37,000 (255)
Flexural Strength, CW LW	ASTM D-790	psi (MPa)	20,000 (138) 25,000 (172)
Izod Impact Strength, Edgewise CW LW	ASTM D-256	ft.-lbs./in.	2.0 3.0
Rockwell Hardness	--	M Scale	105
Temperature Rating	--	°C	Class B - 130
Shrinkage, 1 week at 125°C 2 weeks at 125°C 3 weeks at 125°C	--	%	0.5 0.6 0.8
Water Absorption (.125") (.50")	ASTM D-570	%	2.0 1.0
Bond Strength	ASTM D-229	psi (MPa)	2,000 (14)

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