



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Low Shrink Black Canvas Phenolic

Item:	Low Shrink Black Canvas Phenolic (LSBC)			
Description:	This is a high strength material with excellent machining qualities exceeding the requirements of generator GE OEM specification A50A341A. Given its dimensional stability when exposed to high temperature, low abrasion, and high bond strength, this material is perhaps the best generator wedge material on the market.			
Availability:	Laminate Sheets:	Thickness:	English Units (in) 0.125 to 2.5	SI Units (mm/cm) 3.10 to 63.5 (mm)
		Sheet Size:	36 x 48 / 39 x 48 / 48 x 48	91.4 x 122 / 99 x 122 / 122 x 122 (cm)
	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)	Typical Values
Dielectric Strength, Perpendicular to Laminations		ASTM D-348	Volts/mil	> 130 V/mil for 3/8"
Compressive Strength, Flatwise		ASTM D-695	psi (MPa)	37,000 (255)
Flexural Strength (0.25")	Lengthwise	ASTM D-790	psi (MPa)	20,000 (138)
	Crosswise			20,000 (138)
IZOD Impact Strength	Lengthwise	ASTM D-256	ft-lbs/in	2.3
	Crosswise			2.3
Rockwell Hardness		ASTM D-785	M Scale	105
Temperature Rating		--	°C	Class B - 130
Shrinkage	1 week at 125 °C	--	%	0.5
	2 weeks at 125 °C			0.6
	3 weeks at 125 °C			0.8
Water Absorption	0.125"	ASTM D-570	%	0.5
	0.50"			0.5
Bond Strength		ASTM D-229	lbs (kg)	2,000 (909)

AS9100C Certified | ISO/AS9100 Certified QMS | RoHS Compliant | ITAR Compliant

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