



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)

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.