THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Low Shrink Black Canvas Phenolic (LSBC)		
Description:	This is a high strength material with excellent machining qualities exceeding the requirements of generator OEM specifications. 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:		English Units (in)	SI Units (mm/cm)
	Laminate Sheets: Thickness:	.125 to 2.5	.2 to 101.6 (mm)
	Sheet Sizes:	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 of our customers.	

Key Characteristics		Test Method	Units - English (SI)	Typical Values
Tensile Strength	Lengthwise	ASTM D-638	psi (MPa)	10,000 (69)
	Crosswise			12,000 (83)
Compressive Strength (Flat-wise)		ASTM D-695	psi (MPa)	37,000 (255)
Flexural Strength (.25")	Lengthwise	ASTM D-790	psi (MPa)	20,000 (138)
	Crosswise			12,000 (83)
IZOD Impact Strength	Lengthwise	ASTM D-256	ft.-lbs./in.	2.0
	Crosswise			3.0
Rockwell Hardness		--	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	(.125")	ASTM D-570	%	2.0
	(.50")			1.0
Bond Strength		ASTM D-229	lbs. (kg)	2,000 (909)