



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Post Bake Black Canvas

Description: This material is identical to NEMA Grade C Regular, with the only difference being an additional 8 hour “Post Bake Cycle”. The purpose of this Post Bake Cycle is to ensure all uncured or partially cured resin becomes completely cured. Meets GE Material Spec. A19B15B2

Availability:	Laminate Sheets:	Thickness:	English Units 0.062” - 2.5”	SI Units 1.6 mm to 64 mm
		Sheet Sizes:	36” x 48”	91.4 cm x 122 cm,
			48” x 48”	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)	6,000 (41) 10,000 (69)
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	25,000 (172)
Flexural Strength, CW LW	ASTM D-790	psi (MPa)	18,000 (124) 18,000 (124)
Izod Impact Strength, Edgewise CW LW	ASTM D-256	ft.-lbs./in.	2.02 2.35
Rockwell Hardness	--	M Scale	100
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	%	3.4 1.8
Bond Strength, CW LW	ASTM D-229	psi (MPa)	2,400(17) 2,700(19)_
Flammability Rating	UL 94	Class	HB
Breakdown Voltage Condition A (.062")	ASTM D-149	kV	55
Electric Strength Condition A (.062")	ASTM D-149	V/mil (kV/mm)	527 (21)

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