



MANUFACTURERS OF  
**ELECTRICAL INSULATION MATERIALS**  
 INSULATING COMPONENTS FOR  
**POWER SYSTEMS EQUIPMENT**

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## MATERIAL DATA SHEET

**Item:** PostBakeBlackCanvas

**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 GEMaterial Spec. A19B15B2.

**Availability:** Laminate Sheets: Thickness: English units 0.062"–2.5" SI Units 1.6mm–64mm  
 Sheet Sizes: 36"x48" and 48"x48" 91cmx122cm and 122cmx122cm

**Fabricated Parts:** TheGundCompany custom fabricates insulation materials to the exact specifications and drawings of our customers.

Key Characteristics:	Test Method	Units - English (SI)	Typical Values
Tensile Strength (crosswise)	ASTMD-638	psi (MPa)	6,000 (41)
Tensile Strength (lengthwise)	ASTMD-638	psi (MPa)	10,000 (69)
Compressive Strength (flatwise)	ASTMD-695	psi (MPa)	25,000 (172)
Flexural Strength (crosswise)	ASTMD-790	psi (MPa)	18,000 (124)
Flexural Strength (lengthwise)	ASTMD-790	psi (MPa)	18,000 (124)
Flexural Modulus (crosswise)	ASTMD-790	kpsi	2,400 (16,547)
Flexural Modulus (lengthwise)	ASTMD-790	kpsi	2,700 (18,616)
Impact Strength IZODEdewise (crosswise)	ASTMD-256	ftlbs/in	2.02
Impact Strength IZODEdewise (lengthwise)	ASTMD-256	ftlbs/in	2.35
Rockwell Hardness		M Scale	100
Temperature Rating		°C	Class B-130
Shrinkage (1 week 125 °C)		%	.5
Shrinkage (2 week 125 °C)		%	.6
Shrinkage (4 week 125 °C)		%	.8
Water Absorption 1/8"	ASTMD-570	%	3.4
Water Absorption 1/2"	ASTMD-570	%	1.8

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 the suitability of any material described herein for the use contemplated, 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.

BondStrength(crosswise)	ASTMD-229	psi(MPa)	2,400(17)
BondStrength(lengthwise)	ASTMD-229	psi(MPa)	2,700(19)
FlammabilityRating	UL94	Class	HB
BreakdownVoltageConditionA(.062")	ASTMD-149	kV	55
ElectricStrengthConditionA(.062")	ASTMD-149	V/mil(kV/mm)	527(21)

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