



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

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|---------------|---|--|--------------------------------------|
| 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 | 3.10 to 63.5 (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 |
|--|-------------------|-------------|----------------------|---------------------|
| Dielectric Strength (Perpendicular to Laminations) | | ASTM – D348 | Volts/mil | >130 V/mil for 3/8" |
| 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 | | | 20,000 (138) |
| IZOD Impact Strength | Lengthwise | ASTM D-256 | ft.-lbs./in. | 2.3 |
| | Crosswise | | | 2.3 |
| 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) |