



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

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## MATERIAL DATA SHEET

**Item:** WaveMax 5000

**Description:** This random glass epoxy laminate was specifically designed for use in printed circuit board soldering applications. It is ESD safe, high strength, and offers excellent resistance to chemicals. It also performs long term in high-temperature applications. Thickness tolerance is  $\pm 0.003$ ".

<b>Availability:</b>	Laminate Sheets:	Thickness:	English units	SI Units
			0.1181", 0.1575", 0.1969", 0.2362", 0.315", 0.3937", 0.4724"	3, 4, 5, 6, 8, 10, 12mm
		Sheet Sizes:	48" x 96"	121.92cm x 243.84cm

**Custom PCB Tooling:** The Gund Company custom fabricates composites to the exact specifications and designs of our customers.

Key Characteristics:		Metric Units	English Units
Color		Charcoal Grey	Charcoal Grey
Surface Resistivity		$10^5 - 10^9$ ohm/in <sup>2</sup>	$10^5 - 10^9$ ohm/in <sup>2</sup>
Maximum Operating Temperature		275°C	527°F
Flexural Strength	Lengthwise Crosswise	93.8 MPa 79.3 MPa	13,600 psi 11,500 psi
Flexural Modulus	Lengthwise Crosswise	15.2 Gpa 14.5 Gpa	2,200 ksi 2,100 ksi
Water Absorption		0.07%	007%
Tensile Strength		117 MPa	17,000 psi
Specific Gravity		1.75 – 1.85 g/cc	0.0632 – 0.0668 lb/in <sup>3</sup>
Compressive Strength		345 MPa	50,000 psi
Izod Impact Strength		2.40 J/cm	4.50 ft-lb/in

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