



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

The Gund Company, Inc
St. Louis, Missouri – USA

TEL - 314.423.5200
FAX - 314.423.9009

MATERIAL DATA SHEET

Item: ESD Grade 930, Printed Circuit Board Tooling Material

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 $\pm 0.003"$.

Availability:	Laminate Sheets:	Thickness:	English Units	SI Units
			0.1181", 0.1575", 0.1969", 0.2362", 0.315", 0.3937", 0.4724"	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
		Sheet Sizes:	48" x 96"	122cm x 244cm

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

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

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