



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

MagNohl® Magnetic Glass Polyester Laminate

MagNohl® is utilized as a wedge material in high-performance motors and generators. It provides a flux path through the wedge, allowing for better magnetic flux distribution to the stator core, thereby reducing losses and heat rise. MagNohl® has mechanical properties that typically meet or exceed those of non-magnetic wedge materials.

The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

ASTM

PROPERTIES	Test Method	Units	Typical Values
PHYSICAL	Density	lbs/in ³ (g/cc)	0.108 (3.2)
	Color		Black
THERMAL	Thermal Class	°C (°F)	Class F: 150 (302)
MECHANICAL	Compressive Strength: 23°C	ASTM D695 (Flat)	PSI (MPa) 46,000 (317)
	Flexural Strength: 23°C	ASTM D790	PSI (MPa) 28,000 (193)
	Flexural Strength: 150°C	ASTM D790	PSI (MPa) 17,000 (117)
	Shear Strength: 23°C	ASTM D732	PSI (MPa) 18,500 (128)
	Shear Strength: 150°C	ASTM D732	PSI (MPa) 15,000 (103)
	Bond Strength: 0.5" Thick	ASTM D229	lbs (kg) 1,080 (490)
Magnetic Properties			Page 2
ELECTRICAL	Volume Resistivity	ASTM D257	Ohms-cm 10 ⁵

SHEET AVAILABILITY

SHEET SIZES

• 37" x 73"

THICKNESS

• 0.062" to 0.400"

SHEET AVAILABILITY (SI)

SHEET SIZES

• 94 cm x 185 cm

THICKNESS

• 1.6 mm to 10.0 mm

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, 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, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.



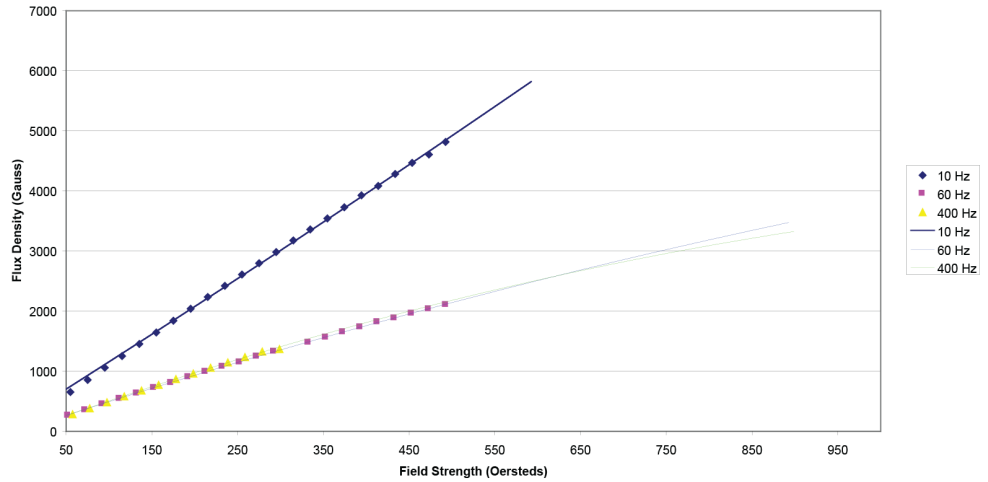
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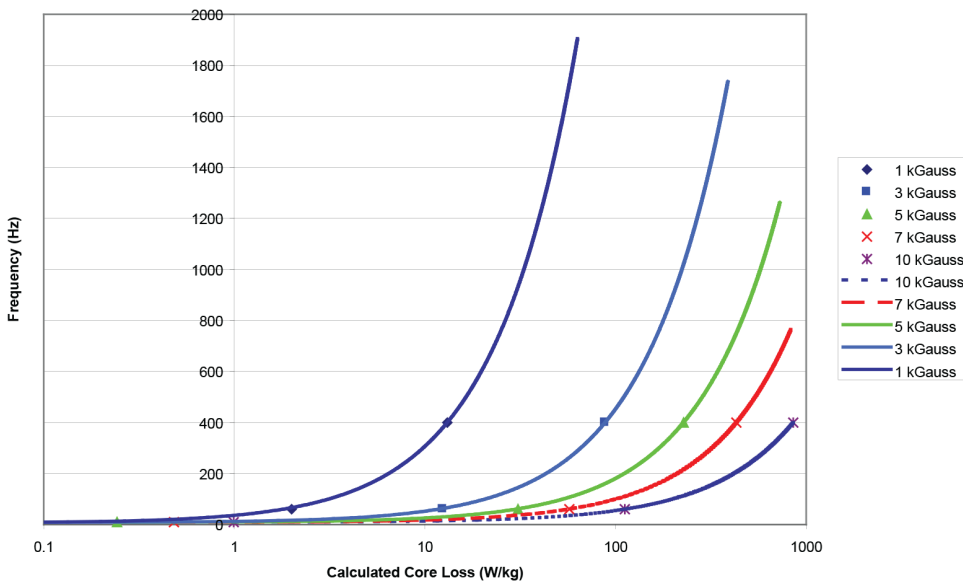
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MAGNOHL B(H) Curves
(10, 60, and 400 Hz)



MAGNOHL Frequency and Core Loss Relationship



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MARKETS



Switchgear



Electronics



Power Generators



Motor Applications



Transformers



Metals Processing



Electric Vehicles



Military/Aerospace



Oil & Gas



Medical



Space

OUR EXPERTISE IS YOUR COMPETITIVE ADVANTAGE

The Gund Company provides a wide range of material solutions from rigid, glass epoxy composites to high-temperature, silicone sponges.

We take a consultative approach to understanding your application by working with your engineers and buyers to find materials that fit the application. By understanding the most important material properties, we often find cost-reduction opportunities. Our Application Engineering Teams have decades of material experience and look forward to working with you on your upcoming project.

Material Families:

- Thermoset Rigid Laminates and Composites
- Flexible Laminates, Papers, Films, and Felts
- Thermoplastic Materials
- Elastomeric Materials

Our Manufacturing Capabilities Include:

- Compression Molding
- Pultrusion
- Filament & Convolute Wound Tube
- Infusion & B-Stage Composites Lay-up and Molding
- Injection Molding
- Extrusion of Thermoplastics

Our Engineering Capabilities Include:

- Custom Material Development
- Resin Formulation
- Laboratory Testing
- Comparative Materials Evaluation



THE GUND COMPANY GLOBAL FOOTPRINT – LOCAL SERVICE

