



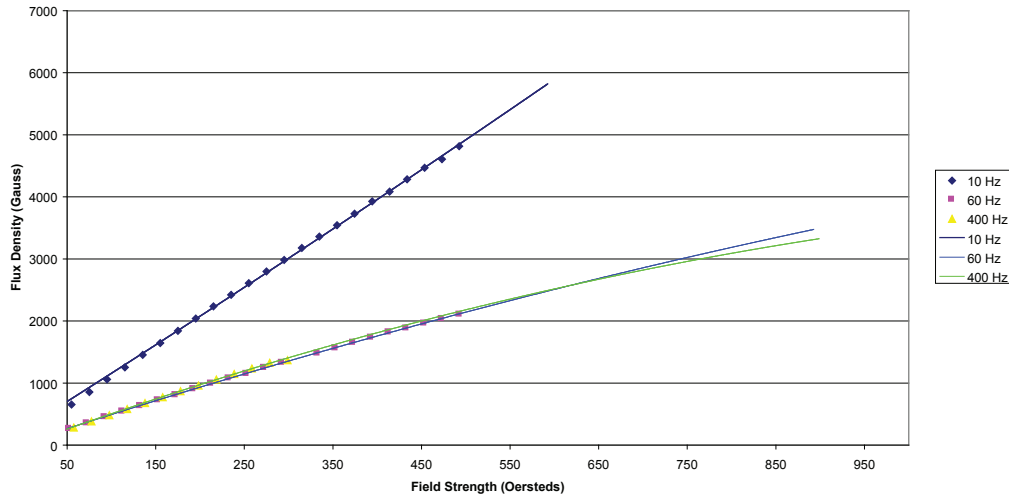
THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	MagNohl®		
Description:	MagNohl® is a magnetic glass reinforced laminate that is utilized as a wedge material in high performance motors and generators. MagNohl® 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.		
Availability:			English Units
	Laminate Sheets:	Thickness	0.062" - 0.4"
		Sheet Size	37" x 73"
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers.	
			SI Units
			1.6 mm - 10 mm
			94 cm x 185 cm

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Standard Color	--	--	Black
Density	--	lbs./in ³ (g/cc)	.108 (3.2)
Compressive Strength, 23°C	ASTM D-695 (Flat)	psi (MPa)	46,000 (317)
Flexural Strength, 23°C	ASTM D-790	psi (MPa)	28,000 (193)
Flexural Strength, 150°C	ASTM D-790	psi (MPa)	17,000 (117)
Shear Strength, 23°C	ASTM D-732	psi (MPa)	18,500 (128)
Shear Strength, 150°C	ASTM D-732	psi (MPa)	15,000 (103)
Bond Strength (1/2" Thick)	ASTM D-229	lbs. (kg)	1,080 (490)
Volume Resistivity	ASTM D-257	Ohms-cm	1(10 ⁵) - 1(10 ⁵)
Magnetic Properties	--	--	See Attached
Thermal Class	--	--	Class F - 155°C

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



MAGNOHL Frequency and Core Loss Relationship

