

## THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	MagNohl®				
Description:	MagNohl <sup>®</sup> is a magnetic glass reinforced laminate that is utilized as a wedge material in high performance motors and generators. MagNohl <sup>®</sup> provides a flux path through the wedge, allowing for better magnetic flux distribution to the stator core, thereby reducing losses and heat rise. MagNohl <sup>®</sup> has mechanical properties that typically meet or exceed those of non-magnetic wedge materials.				
Availability:			English Units	SI Units	
	Laminate Sheets:	Thickness	0.062" - 0.4"	1.6 mm - 10 mm	
		Sheet Size	37" x 73"	94 cm x 185 cm	
	Fabricated Parts:		he Gund Company custom fabricates insulation materials to the exact pecifications and drawings of our customers.		

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Standard Color			Black
Density		lbs./in³ (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 <sup>5</sup> ) - 1(10 <sup>5</sup> )
Magnetic Properties			See Attached
Thermal Class			Class F - 155°C

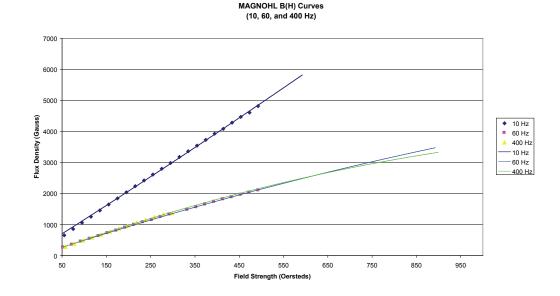
All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the use contemplated, the manner of such 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 warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage. TGCR1015

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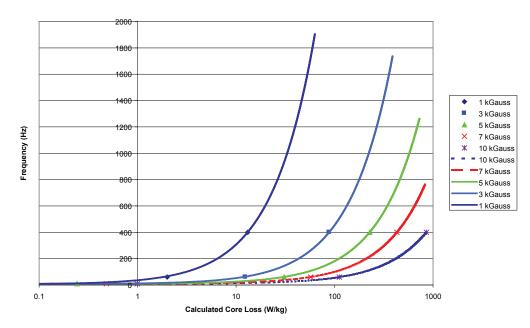
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Material Data Sheet

<u>MagNohl®</u>



MAGNOHL Frequency and Core Loss Relationship



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