



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

MagNohl® Magnetic Glass Polyester Laminate

Item:	MagNohl®(Magnetic Glass Polyester Laminate)			
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:	Laminate Sheets:		English Units (in)	SI Units (mm/cm)
		Thickness:	0.062 - 0.4	1.6 - 10 (mm)
	Sheet Size:	37 x 73	94 x 185 (cm)	
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.			

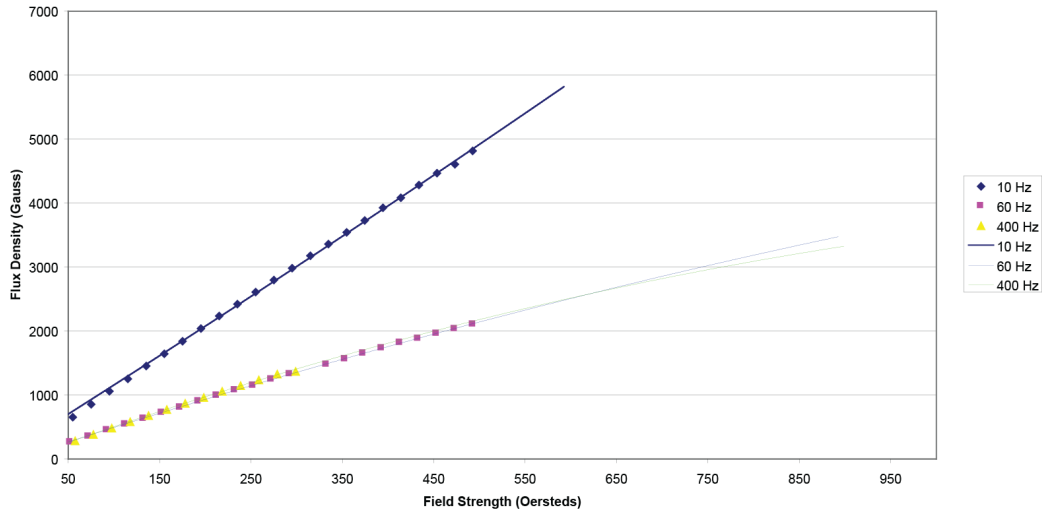
Key Characteristics	Test Method	Units - English (SI)	Typical Values	
Standard Color	--	--	Black	
Density	--	lbs/in ³ (g/cc)	0.108 (3.2)	
Compressive Strength, 23°C	ASTM D-695 (Flat)	psi (MPa)	46,000 (317)	
Flexural Strength	ASTM D-790	psi (MPa)	23°C	28,000 (193)
			150°C	17,000 (117)
Shear Strength	ASTM D-732	psi (MPa)	23°C	18,500 (128)
			150°C	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)	
Magnetic Properties	--	--	See Attached	
Thermal Class	--	--	Class F - 155°C	



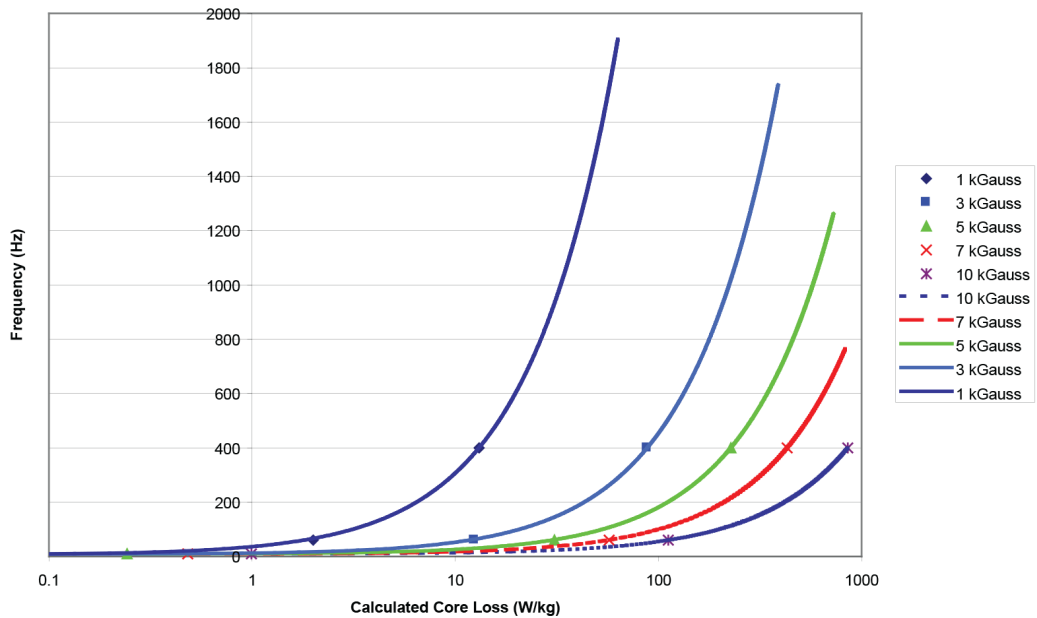
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MAGNOHL B(H) Curves
(10, 60, and 400 Hz)



MAGNOHL Frequency and Core Loss Relationship



Data supplied above are typical values and are not to be considered specification values. 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 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 warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.