



Neodymium Iron Boron / Magnetic Properties									
Grade	Press ¹	Br (Gauss)	Hc (Oersteds)	Hci (Oersteds)	BHmax (MGOe)	Temperature Coefficients (%/°C)		Maximum Operating Temp @ Pc=2 ⁽²⁾	
		Range	Typical	Minimum	Range	of BR	of Hci	(°C)	(°F)
N3730	D	11,600 ~ 12,200	11,000	30,000	33 ~ 37	-0.10	-0.45	~ 230	~ 440

¹ D: Die-Pressed, I: Isostatically-Pressed

² The Maximum Operating Temperature shown here is for magnets operating at a Permeance Coefficient of 2. At the temperatures shown the operating point of the material is above the knee of the BH Curve.

Neodymium Iron Boron / Physical Properties											
Grade	Density		Bending Strength		Compressive Strength		Electrical Resistivity (Ωm)	Coeff. of Thermal Expansion ³		Curie Temperature	
	(Kg/m ³)	(lbs/in ³)	(kg/m ²)	(lbs/in ²)	(kg/m ²)	(lbs/in ²)		// M	⊥M	(°C)	(°F)
N3730	7.7 x 10 ³	0.278	2.95 x 10 ³	4.2 x 10 ⁴	9.6 x 10 ³	1.3 x 10 ⁵	1.4 x 10 ⁻⁶	7.3 x 10 ⁻⁶	-2.1 x 10 ⁻⁶	360	680

³// M Parallel to magnetic orientation, ⊥M Perpendicular to magnetic orientation.