



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)
N3917	D	12,400 ~ 13,000	11,900	17,000	36 ~ 41	-0.09	-0.59	~ 140	~ 280

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)
N3917	7.55 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	-0.9 x 10 ⁻⁶	355	670

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