



| 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) |
| N3530 | D | 11,300 ~ 11,900 | 10,700 | 30,000 | 31 ~ 35 | -0.10 | -0.46 | ~ 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) |
| N3530 | 7.6 x 10 ³ | 0.275 | 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 | 7.4 x 10 ⁻⁶ | -1.4 x 10 ⁻⁶ | 350 | 660 |

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