

Material Data - Magnetic Properties



Sintered NdFeB Anisotropic

Grade: N 40

Test Temperature: 24 °C

Type of measure: 2nd quadrant

Br: 1,27-1,29 T

HcB: > 954 kA/m

Hcj: > 1800 kA/m

BHmax: 310-320 KJ/m3

Max. working temperature 80°C

Operating temperature depends on the magnet dimension and the specific application.

Physical Properties

Density	(kg/m ³)	7.6 x 10 ³
Bending Strength	(kg/m ²)	2.95 x 10 ³
Compressive Strength	(kg/m ²)	9.6 x 10 ³
Vickers Hardness (Hv)	(Hv)	560-600
Electrical Resistivity	(Ωm)	1.4 x 10 ⁻⁶
Thermal Expansion Coefficient Parallel to M	//M	7.9 x 10 ⁻⁶
Thermal Expansion Coefficient Perpendicular to M	M	-1.7 x 10 ⁻⁶
Curie Temperature	(°C)	345

All values indicated were determined on standard samples. Depending on the shape and dimensions there could occur deviations.



The product conforms to the European RoHS Community legislation (2002/95/EG - RoHS - Restriction of Hazardous Substances) relating to the use and the employment of certain hazardous substances in electrical and electronic devices. No subject to registration under the REACH Regulation.



Read the Safety Warnings before handling the magnets.

Best Magnet is a Vega Technik GmbH product division.

For more information please contact **Vega Technik GMBH** Ackerweg 9 - 9500 Villach Austria tel. +43(0)424221174 info@vegatechnik.com - www.vegatechnik.com