

Bonded Magnet and Magnetic Assemblies Group (BMG)

Product Description: Polymer bonded, isotropic NdFeB magnet for injection molding. Close dimensional and magnetic tolerances. Intricate shapes.

MAGNETIC PROPERTIES @ 23°C (73°F)

SI CGS

Residual Induction Br	6300 - 6800 G	630 - 680 mT
Coercive Force Hc	4800 - 5800 Oe	382 - 462 kA/m
Intrinsic Coercive Force Hci	8800 - 10200 Oe	700 - 812 kA/m
Maximum Energy Product (BH)max	8.50 – 9.40 MGOe	67.6 – 74.8 kJ/m ³
Reversible Temperature Coefficient of Br	-0.07% per °F	-0.13% per °C
Reversible Temperature Coefficient of Hci	-0.22% per °F	-0.40% per °C
Peak Magnetizing Force Required	30,000 Oe	2370 kA/m

TYPICAL PHYSICAL PROPERTIES* @ 23°C (73°F)

Tensile Strength	2500 psi	17.3 MPa
Elongation at Break	< 2%	< 2%
Hardness	85 Shore D	85 Shore D
Density	0.21 lb/in ³	5.70 g/cm ³
Maximum Operating Temperature	300 °F	150 °C

(* Reference only, not intended for specification purpose.)

