

Bonded Magnet and Magnetic Assemblies Group (BMG)

Product Description: Polymer bonded, oriented Sr-Ferrite and NdFeB hybrid magnet for injection molding. Close dimensional and magnetic tolerances. Intricate shapes.

MAGNETIC PROPERTIES @ 23°C (73°F)

SI CGS

Residual Induction Br	3600 - 3870 G	360 - 387 mT
Coercive Force Hc	2360 - 2830 Oe	188 - 225 kA/m
Intrinsic Coercive Force Hci	3520 - 4220 Oe	280 - 336 kA/m
Maximum Energy Product (BH)max	2.33 – 3.03 MGOe	18.5 – 24.1 kJ/m ³
Reversible Temperature Coefficient of Br	-0.08% per °F	-0.14% per °C
Reversible Temperature Coefficient of Hci	-0.14% per °F	-0.24% per °C
Peak Magnetizing Force Required	30,000 Oe	2370 kA/m

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

Tensile Strength	4200 psi	29 MPa
Elongation at Break	< 1%	< 1%
Hardness	87 Shore D	87 Shore D
Density	0.14 lb/in ³	4.0 g/cm ³
Maximum Operating Temperature	300 °F	150 °C

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

