

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	5100 - 5400 G	510 - 540 mT
Coercive Force Hc	3570 - 4310 Oe	284 - 343 kA/m
Intrinsic Coercive Force Hci	7900 - 9400 Oe	629 - 748 kA/m
Maximum Energy Product (BH)max	4.85 – 6.31 MGOe	38.6 – 50.2 kJ/m ³
Reversible Temperature Coefficient of Br	-0.08% per °F	-0.14% per °C
Reversible Temperature Coefficient of Hci	-0.19% per °F	-0.34% 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	0.18 lb/in ³	4.97 g/cm ³
Maximum Operating Temperature	300 °F	150 °C

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

