

Bonded Magnet and Magnetic Assemblies Group (BMG)

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

MAGNETIC PROPERTIES @ 23°C (73°F)

SI CGS

Residual Induction Br	2550 - 2810 G	255 - 281 mT
Coercive Force Hc	2280 - 2680 Oe	182 - 213 kA/m
Intrinsic Coercive Force Hci	3360 - 4020 Oe	267 - 320 kA/m
Maximum Energy Product (BH)max	1.61 – 2.05 MGOe	32.8 – 16.3 kJ/m ³
Reversible Temperature Coefficient of Br	-0.11% per °F	-0.20% per °C
Reversible Temperature Coefficient of Hci	0.07% per °F	0.13% per °C
Peak Magnetizing Force Required	10,000 Oe	800 kA/m

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

Tensile Strength	2200 psi	15 MPa
Elongation at Break	< 2%	< 2%
Hardness	85 Shore D	85 Shore D
Density	0.13 lb/in ³	3.65 g/cm ³
Maximum Operating Temperature	300 °F	150 °C

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

