

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	2560 - 2880 G	256 - 288 mT
Coercive Force Hc	2150 - 2530 Oe	171 - 201 kA/m
Intrinsic Coercive Force Hci	2780 - 3320 Oe	221 - 264 kA/m
Maximum Energy Product (BH)max	1.58 – 2.05 MGOe	12.6 – 16.3 kJ/m ³
Reversible Temperature Coefficient of Br	-0.105% per °F	-0.19% 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	356 °F	180 °C

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

