

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	2480 - 2730 G	248 - 273 mT
Coercive Force Hc	1900 - 2250 Oe	151 - 179 kA/m
Intrinsic Coercive Force Hci	2700 - 3300 Oe	215 - 263 kA/m
Maximum Energy Product (BH)max	1.45 – 1.89 MGOe	11.5 – 15.0 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	3.53 g/cm ³
Maximum Operating Temperature	300 °F	150 °C

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

