

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	2830 - 3130 G	283 - 313 mT
Coercive Force Hc	2210 - 2590 Oe	176 - 206 kA/m
Intrinsic Coercive Force Hci	2620 - 3140 Oe	209 - 249 kA/m
Maximum Energy Product (BH)max	1.89 – 2.41 MGOe	15.1 – 19.2 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	0.14 lb/in ³	3.76 g/cm ³
Maximum Operating Temperature	320 °F	160 °C

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

