

**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	2770 - 3070 G	277 - 307 mT
Coercive Force Hc	2190 - 2570 Oe	174 - 205 kA/m
Intrinsic Coercive Force Hci	2610 - 3070 Oe	208 - 244 kA/m
Maximum Energy Product (BH)max	1.85 – 2.35 MGOe	14.7 – 18.7 kJ/m <sup>3</sup>
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 <sup>3</sup>	3.80 g/cm <sup>3</sup>
Maximum Operating Temperature	320 °F	160 °C

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

