

**Bonded Magnet and Magnetic Assemblies Group (BMG)**

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

**MAGNETIC PROPERTIES @ 23°C (73°F)**

**SI CGS**

Residual Induction Br	4200 - 4620 G	420 - 462 mT
Coercive Force Hc	2400 - 2880 Oe	191 - 229 kA/m
Intrinsic Coercive Force Hci	3600 - 4320 Oe	286 - 344 kA/m
Maximum Energy Product (BH)max	2.64 – 3.43 MGOe	21.0 – 27.3 kJ/m <sup>3</sup>
Reversible Temperature Coefficient of Br	-0.08% per °F	-0.14% per °C
Reversible Temperature Coefficient of Hci	-0.19% per °F	-0.34% per °C
Peak Magnetizing Force Required	30,000 Oe	2370 kA/m

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

Tensile Strength	4200 psi	29 MPa
Elongation at Break	< 1%	< 1%
Hardness	87 Shore D	87 Shore D
Density	0.15 lb/in <sup>3</sup>	4.15 g/cm <sup>3</sup>
Maximum Operating Temperature	257 °F	125 °C

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

