ARNOLD MAGNETIC TECHNOLOGIES

Arnold Magnetics (Shenzhen) Ltd

Plastiform® 2560

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	2570 - 2840 G	257 - 284 mT
Coercive Force Hc	2250 - 2650 Oe	179 - 211 kA/m
Intrinsic Coercive Force Hci	3400 - 4000 Oe	271 - 318 kA/m
Maximum Energy Product (BH)max	1.54 – 1.96 MGOe	12.3 – 15.6 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	3.65 g/cm^3
Maximum Operating Temperature	257 °F	125 °C

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