ARNOLD MAGNETIC TECHNOLOGIES

Arnold Magnetics (Shenzhen) Ltd

Plastiform® 2217

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

Product Description: Polymer bonded, isotropic NdFeB magnet for injection molding. Close dimensional and magnetic tolerances. Intricate shapes.

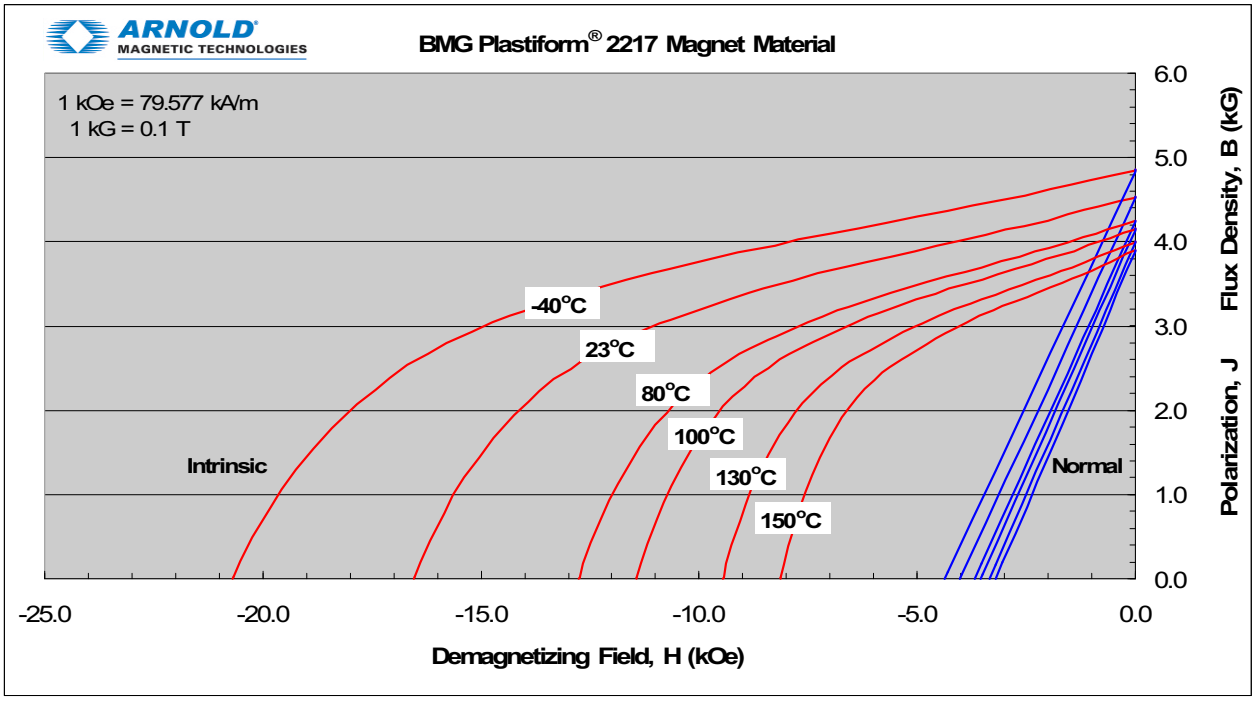
MAGNETIC PROPERTIES @ 23°C (73°F)

SI	CGS	
Residual Induction Br	4500 - 4820 G	450 - 482 mT
Coercive Force Hc	4000 - 4800 Oe	318 - 382 kA/m
Intrinsic Coercive Force Hci	15000 - 18000 Oe	1194 - 1432 kA/m
Maximum Energy Product (BH)max	3.98 – 5.17 MGOe	31.7 – 41.2 kJ/m^3
Reversible Temperature Coefficient of Br	-0.06% per °F	-0.11% per °C
Reversible Temperature Coefficient of Hci	-0.22% per °F	-0.40% per °C
Peak Magnetizing Force Required	30,000 Oe	2370 kA/m

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

Tensile Strength	4700 psi	32.5 MPa
Elongation at Break	< 1%	< 1%
Hardness	90 Shore D	90 Shore D
Density	0.18 lb/in^3	4.9 g/cm^3
Maximum Operating Temperature	356 °F	180 °C

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



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