ARNOLD MAGNETIC TECHNOLOGIES

*Arnold Magnetics (Shenzhen) Ltd*

# Plastiform® 2214

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

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

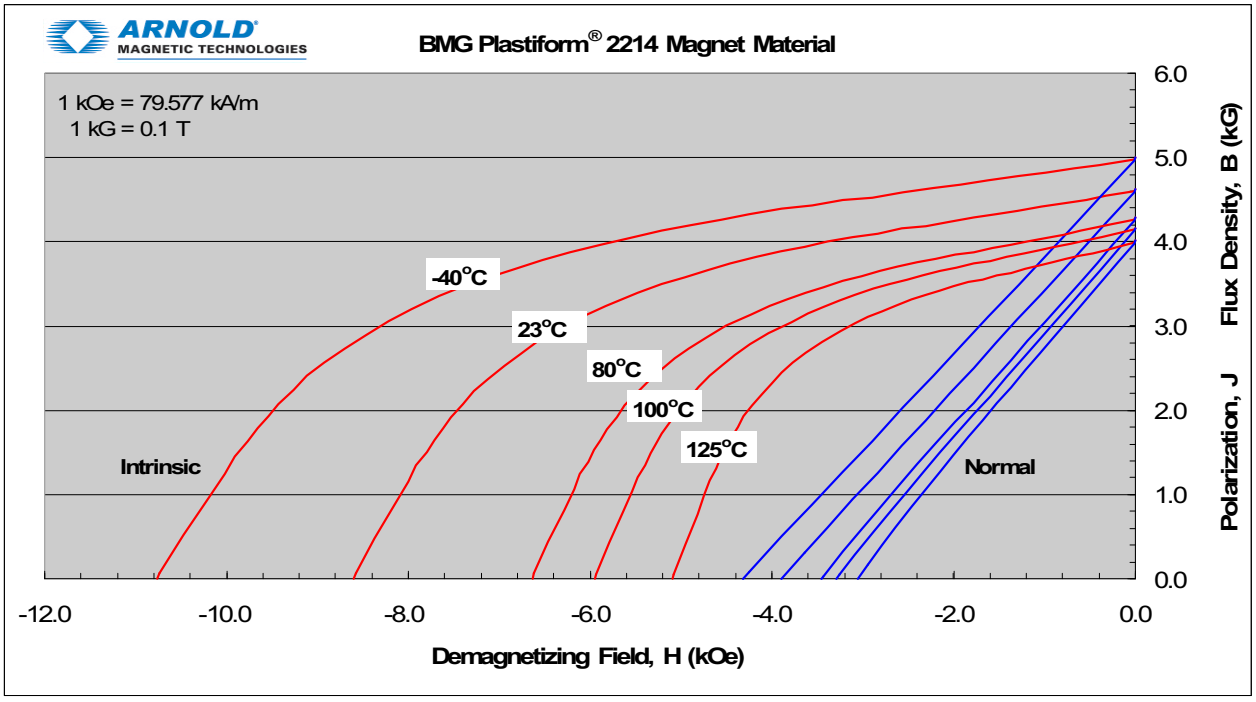
## MAGNETIC PROPERTIES @ 23°C (73°F)

| SI | CGS | |
|---|---|---|
| Residual Induction Br | 4300 - 4800 G | 430 - 480 mT |
| Coercive Force Hc | 3500 - 4200 Oe | 279 - 334 kA/m |
| Intrinsic Coercive Force Hci | 8200 - 9840 Oe | 653 - 783 kA/m |
| Maximum Energy Product (BH)max | 4.28 – 5.56 MGOe | 34.1 – 44.3 kJ/m$^3$ |
| Reversible Temperature Coefficient of Br | -0.07% per °F | -0.13% 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 | 2500 psi | 17.3 MPa |
| Elongation at Break | < 2% | < 2% |
| Hardness | 85 Shore D | 85 Shore D |
| Density | 0.17 lb/in$^3$ | 4.65 g/cm$^3$ |
| Maximum Operating Temperature | 257 °F | 125 °C |

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

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