**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)**

<table>
<thead>
<tr>
<th>Unit</th>
<th>SI</th>
<th>CGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residual Induction Br</td>
<td>2550 - 2810 G</td>
<td>255 - 281 mT</td>
</tr>
<tr>
<td>Coercive Force Hc</td>
<td>2280 - 2680 Oe</td>
<td>182 - 213 kA/m</td>
</tr>
<tr>
<td>Intrinsic Coercive Force Hci</td>
<td>3360 - 4020 Oe</td>
<td>267 - 320 kA/m</td>
</tr>
<tr>
<td>Maximum Energy Product (BH)max</td>
<td>1.61 – 2.05 MGOe</td>
<td>12.8 – 16.3 kJ/m³</td>
</tr>
<tr>
<td>Reversible Temperature Coefficient of Br</td>
<td>-0.11% per °F</td>
<td>-0.20% per °C</td>
</tr>
<tr>
<td>Reversible Temperature Coefficient of Hci</td>
<td>0.07% per °F</td>
<td>0.13% per °C</td>
</tr>
<tr>
<td>Peak Magnetizing Force Required</td>
<td>10,000 Oe</td>
<td>800 kA/m</td>
</tr>
</tbody>
</table>

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

- Tensile Strength: 2200 psi = 15 MPa
- Elongation at Break: < 2% < 2%
- Hardness: 85 Shore D
- Density: 0.13 lb/in³ = 3.53 g/cm³
- Maximum Operating Temperature: 300 °F = 150 °C

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

---

**Graph:**

- **BMG Plastiform® 2071 Magnet Material**
- Flux Density, B (kG)
- Polarization, J
- Demagnetizing Field, H (kOe)
- Intrinsic
- Normal
- 1 kOe = 79.577 kA/m
- 1 kG = 0.1 T
- 15# Dayang 1st Road, Yulu, Gongming District, Shenzhen, Guangdong Province, China. Post Code: 518132
- Tel: +86-755-81729700; Fax: +86-755-29905550; Email: InfoAP@arnoldmagnetics.com
- www.arnoldmagnetics.com