**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)**

<table>
<thead>
<tr>
<th>SI</th>
<th>CGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Br</td>
<td>5500 - 6110 G</td>
</tr>
<tr>
<td>Hc</td>
<td>4000 - 4800 Oe</td>
</tr>
<tr>
<td>Hc1i</td>
<td>7000 - 9000 Oe</td>
</tr>
<tr>
<td>max</td>
<td>5.10 – 6.63 MGOe</td>
</tr>
<tr>
<td>Br</td>
<td>550 - 611 mT</td>
</tr>
<tr>
<td>Hc</td>
<td>318 - 382 kA/m</td>
</tr>
<tr>
<td>Hc1i</td>
<td>557 - 716 kA/m</td>
</tr>
<tr>
<td>max</td>
<td>40.6 – 52.8 kJ/m³</td>
</tr>
</tbody>
</table>

- Reversible Temperature Coefficient of Br: -0.07% per °F, -0.13% per °C
- Reversible Temperature Coefficient of Hc1i: -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%
- Hardness: 85 Shore D
- Density: 0.19 lb/in³, 5.16 g/cm³
- Maximum Operating Temperature: 257 °F, 125 °C

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

---

**Arnold Magnetics (Shenzhen) Ltd**

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