POLYPROPYLENE

AZ764

Polypropylene Block Copolymer for injection molding application

**Description**

AZ764 is a polypropylene block copolymer intended for industrial & thin wall applications. It has a high melt flow and is formulated with nucleating agent and anti-static. Injection molding parts made from this resin exhibit good impact, high stiffness and good heat stability.

**Applications**

- Crates
- Thin wall applications
- Industrial applications
- Electrical appliances

<table>
<thead>
<tr>
<th>Resin Properties</th>
<th>Unit</th>
<th>Test Method</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR (230°C/2.16Kg)</td>
<td>g/10min</td>
<td>ASTM D1238</td>
<td>39</td>
</tr>
<tr>
<td>Density</td>
<td>g/cm³</td>
<td>ASTM D792 Method A</td>
<td>0.9</td>
</tr>
</tbody>
</table>

**Mechanical Properties**

- Tensile Strength at Yield: MPa, ASTM D638, 25
- Tensile Strength at Break: MPa, ASTM D638, 18
- Flexural Modulus: MPa, ASTM D790, 1360
- Izod Impact, Notched 23 ºC: kJ/m², ASTM D256, 9.0
- Izod Impact, Notched -20 ºC: kJ/m², ASTM D256, 6.0
- Rockwell Hardness-R

**Thermal Properties**

- Vicat Softening Temperature @10N: ºC, ASTM D1525, 150
- Heat Deflection 0.45MPa: ºC, ASTM D648, 119

**Other**

- Shrinkage MD/TD: %, SUMIKA, 1.4/1.7
- Flammability: UL94, HB

*Test specimen preparation Method: Pursuant to ASTM D4101

**Processing conditions:** Recommended melt temperature: 190 – 230 ºC

**Storage and handling:** AZ764 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 ºC. It is advisable to process polypropylene resins within 6 months after delivery.

**Food Contact Compliance and other Regulations:** Please visit Petro Rabigh website.