Technical Data Sheet

Adstif®HA5029

Polypropylene, Homopolymer

Product Description

Adstif®HA5029 is a high crystallinity polypropylene homopolymer with extremely high stiffness, high flowability, high gloss, high HDT, and has long term heat resistance. Typical customer applications are parts for electrical appliances such as electric kettle, coffee maker, electric fan housing, and also for TWIM and food containers. It is also used by customers for parts of automotive interior trim.

Regulatory Status

For regulatory compliance information, see Adstif®HA5029 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status

Commercial: Active

Availability

Africa-Middle East; Asia-Pacific; Australia and New Zealand

Application

Housewares; Small Appliances

Market

Consumer Products; Electrical / Electronics

Processing Method

Injection Molding

Attribute

Good Processability; Good Thermal Aging Resistance; High Stiffness; Homopolymer

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>65</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>2200</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>41</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>6</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Impact Notched Izod Impact Strength, (23 °C)</td>
<td>20</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>Hardness Rockwell Hardness, (R-Scale)</td>
<td>117</td>
<td></td>
<td>ASTM D785</td>
</tr>
<tr>
<td>Thermal Deflection Temperature Under Load</td>
<td>140</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Company Information
For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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