Adstif® EA5074

Polypropylene, Impact Copolymer

Product Description
Adstif® EA5074 is a medium flow heterophase copolymer with low TVOC, good stiffness impact balance, good thermal resistance. Typical customer applications are base resins for compounds for automotive and electrical appliances.

Regulatory Status
For regulatory compliance information, see Adstif® EA5074 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

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

Application
Bumpers; Exterior Automotive Applications; Interior Automotive Applications; Opaque Containers

Market
Automotive; Compounding; Consumer Products; Rigid Packaging

Processing Method
Compounding; Injection Molding

Attribute
Excellent Stiffness; Good Flow; Good Impact Resistance; Impact Copolymer; Low to No Odor; Low Warpage

Typical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>30</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus</td>
<td>1600</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>32</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>5</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
</tbody>
</table>

Impact

| Notched Izod Impact Strength (23 °C)          | 60            | J/m     | ASTM D256    |
| (−20 °C)                                     | 20            | J/m     | ASTM D256    |

Hardness

| Rockwell Hardness, (R-Scale)                  | 110           |         | ASTM D785    |

Thermal

| Vicat Softening Point                        | 152           | °C      | ASTM D1525   |
| Deflection Temperature Under Load, (0.46 N/mm²) | 133           | °C      | ASTM D648    |
Notes
These are typical property values not to be construed as specification limits.
Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

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

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