Pro-fax 6323

Polypropylene, Homopolymer

Product Description
Pro-fax 6323 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

ASTM and ISO-based versions of the technical data sheet are available for Pro-fax 6323.

Regulatory Status
For regulatory compliance information, see Pro-fax 6323 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
North America

Application
Automotive Parts; Caps & Closures; Containers; Food Packaging Film; Sports, Leisure & Toys

Market
Automotive; Consumer Products; Flexible Packaging; Rigid Packaging

Processing Method
Cast Film; Injection Molding

Attribute
Good Heat Aging Resistance

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</td>
<td>12</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density, (23 °C, Method A)</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>1290</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Stress at Yield</td>
<td>31</td>
<td>MPa</td>
<td>ISO 527-1, -2</td>
</tr>
<tr>
<td>Tensile Strain at Yield</td>
<td>11</td>
<td>%</td>
<td>ISO 527-1, -2</td>
</tr>
<tr>
<td>Impact Charpy Impact Strength -</td>
<td>4.2</td>
<td>kJ/m²</td>
<td>ISO 179</td>
</tr>
<tr>
<td>Notched Izod Impact Strength</td>
<td>4.1</td>
<td>kJ/m²</td>
<td>ISO 180</td>
</tr>
<tr>
<td>Thermal Deflection Temperature Under Load (0.45 MPa, Unannealed)</td>
<td>76</td>
<td>°C</td>
<td>ISO 75B-1, -2</td>
</tr>
<tr>
<td>(1.80 MPa, Unannealed)</td>
<td>49</td>
<td>°C</td>
<td>ISO 75A-1, -2</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Automotive Specifications
- FCA MS-DB500 CPN 2571

Processing Techniques
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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