Technical Data Sheet
Hifax EP5015
Polypropylene, Impact Copolymer

Product Description
Moplen EP5015 is a medium fluidity nucleated heterophase copolymer, with optimized balance of stiffness and toughness, high impact strength at low temperature, low warpage, good whitening resistance, and excellent processability. Typical customer applications are transport and cold storage crates, sports and leisure equipment, toys and typical consumer goods and luggages.

Regulatory Status
For regulatory compliance information, see Hifax EP5015 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

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

Application
Crates; Furniture; Luggage; Sports, Leisure & Toys

Market
Automotive; Industrial Packaging

Processing Method
Injection Molding

Attribute
Blush Resistant; Good Stiffness; Low Temperature Impact Resistance

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>15</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><strong>Mechanical</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1100</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>22</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>8</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td><strong>Impact</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod Impact Strength</td>
<td>No Break</td>
<td></td>
<td>ASTM D256</td>
</tr>
<tr>
<td>(23 °C)</td>
<td>90</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>(-20 °C)</td>
<td></td>
<td></td>
<td></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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