Technical Data Sheet
Metocene HM2015

Metallocene PP Homopolymer

Product Description
Metocene HM2015 is a metallocene-catalyzed homopolymer for compounding and injection molding with very high melt flow rate. It contains a basic stabilization package. Metocene HM2015 has an excellent stiffness, outstanding organoleptic properties and a low warpage.

Regulatory Status
For regulatory compliance information, see Metocene HM2015 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

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

Application
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; Low to No Odor; Low Warpage

<table>
<thead>
<tr>
<th>Typical Properties</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>140</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>1350</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>34</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>7</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>105</td>
<td></td>
<td>ASTM D785</td>
</tr>
<tr>
<td>Thermal Deflection Temperature Under Load, (0.46 N/mm²)</td>
<td>110</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

Processing Techniques
Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

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

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