Technical Data Sheet  
Metocene HM2089  
Metallocene PP Homopolymer

Product Description  
Metocene HM2089 is a metallocene-catalyzed homopolymer for film applications. The use of metallocene catalysts in the production of these homopolymers results in resins with improved optical and processing characteristics, combined with exceptional purity. Metocene HM2089 doesn’t contain nucleating agent or film additives such as slip agent. Film produced with Metocene HM2089 will show high stiffness and long dyne retention time.

Regulatory Status  
For regulatory compliance information, see Metocene HM2089 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status  
Commercial: Active

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

Application  
Food Packaging Film; Multi Media Packaging

Market  
Consumer Products; Flexible Packaging

Processing Method  
Cast Film

Attribute  
Heat Sealable; High Clarity

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>9</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</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1450</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>10</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Impact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod Impact Strength, (23 °C)</td>
<td>20</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>Thermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deflection Temperature Under Load, (0.46 N/mm²)</td>
<td>115</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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