Technical Data Sheet

Adstif®HA612M

High Crystallinity Polypropylene

Product Description

Adstif®HA612M is a high crystallinity medium fluidity polypropylene homopolymer. It does not contain slip or anti-blocking additives and it does not contain Calcium Stearate.

Adstif®HA612M is typically used by customers for cast film applications where high rigidity and high temperature resistance are required. Adstif®HA612M is used by customers for the production of coextruded twist wrapping, labels, lamination, metallize able film and textile packaging.

Films produced with Adstif®HA612M have been reported by customers to exhibits very high stiffness.

Regulatory Status

For regulatory compliance information, see Adstif®HA612M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status

Commercial: Active

Availability

Africa-Middle East; Europe

Application

Food Packaging Film; Stationery Film; Twist Wrap Film

Market

Flexible Packaging

Processing Method

Cast Film; Double Bubble

Attribute

Broad Molecular Weight Distribution; Crystalline; High Rigidity; Homopolymer

Typical Properties

<table>
<thead>
<tr>
<th>Attribute</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>7.0</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
<tr>
<td>Mechanical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1900</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Stress at Break</td>
<td>23</td>
<td>MPa</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Stress at Yield</td>
<td>37</td>
<td>MPa</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Strain at Break</td>
<td>100</td>
<td>%</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Strain at Yield</td>
<td>8</td>
<td>%</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Thermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vicat Softening Temperature, (A/50 N)</td>
<td>160</td>
<td>°C</td>
<td>ISO 306</td>
</tr>
<tr>
<td>Heat Deflection Temperature B, (0.45 MPa, Unannealed)</td>
<td>110</td>
<td>°C</td>
<td>ISO 75B-1,-2</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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