Technical Data Sheet

Adstif\textsuperscript{HA}686J

Polypropylene, Homopolymer

**Product Description**

Adstif\textsuperscript{HA}686J is a new generation thermoforming grade with improved processability in stretchability, and end use stiffness, impact strength, HDT and clarity. Typical customer applications are containers made by solid phase pressure forming (SPPF) / thermoforming or blow molding, such as drinking cups, yogurt cups, noodle cups, margarine tubs, dairy cups, trays and bottles for food, that can be hot fillable or microwavable for reheating of food.

**Regulatory Status**

For regulatory compliance information, see Adstif\textsuperscript{HA}686J Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

**Status**

Commercial: Active

**Availability**

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

**Application**

Clear Containers; Opaque Containers

**Market**

Consumer Products; Rigid Packaging

**Processing Method**

Thermoforming

**Attribute**

High Clarity; High Stiffness; Homopolymer; Low Odor Transfer

**Typical Properties**

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Nominal Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>3</td>
<td>g/10 min</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1780</td>
<td>MPa</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>37</td>
<td>MPa</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>10</td>
<td>%</td>
</tr>
<tr>
<td><strong>Impact</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod Impact Strength, (23 °C)</td>
<td>50</td>
<td>J/m</td>
</tr>
<tr>
<td><strong>Hardness</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rockwell Hardness, (R-Scale)</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td><strong>Thermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deflection Temperature Under Load</td>
<td>125</td>
<td>°C</td>
</tr>
</tbody>
</table>

**Test Method**

- ASTM D1238
- ASTM D792
- ASTM D790
- ASTM D638
- ASTM D256
- ASTM D785
- ASTM D648
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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