Adflex C 290 F

Technical Data Sheet

Product Description

Adflex C 290 F is developed for the central layer of tough, transparent co-extruded cast-film structures. It combines transparency with high softness, a very high toughness even at low temperatures and an excellent compatibility with other polyolefins. It does not contain any slip nor anti-blocking agents. Typical applications of the Adflex C 290 F are co-extruded cast-film for food packaging, hygiene applications, surface protection where the outside layer can be any polyolefin homo or copolymer.

Regulatory Status

For regulatory compliance information, see Adflex C 290 F Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status

Commercial: Active

Availability

Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America

Application

Bags & Pouches; Barrier Film; Breathable Film; Film Wrap; Food Packaging Film; Lamination Film; Peelable Film; Stationery Film

Market

Flexible Packaging; Rigid Packaging

Processing Method

Blown Film; Cast Film; Extrusion Blow Molding; Extrusion Coating; Injection Molding; Thermoforming

Attribute

Good Toughness; High Clarity; Low Temperature Toughness; Soft

Typical Properties

<table>
<thead>
<tr>
<th>Property</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>6</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density</td>
<td>0.88</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>200</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Stress at Yield</td>
<td>8</td>
<td>MPa</td>
<td>ISO 527-1, -2</td>
</tr>
<tr>
<td>Tensile Strain at Break</td>
<td>600</td>
<td>%</td>
<td>ISO 527-1, -2</td>
</tr>
<tr>
<td>Impact Charpy Impact Strength - Notched</td>
<td>NB</td>
<td>kJ/m²</td>
<td>ISO 179</td>
</tr>
<tr>
<td>(23 °C)</td>
<td>15</td>
<td>kJ/m²</td>
<td>ISO 179</td>
</tr>
<tr>
<td>Hardness</td>
<td>38</td>
<td></td>
<td>ISO 868</td>
</tr>
<tr>
<td>Thermal Vicat Softening Temperature, (A/50 N)</td>
<td>85</td>
<td>°C</td>
<td>ISO 306</td>
</tr>
<tr>
<td>Heat Deflection Temperature B, (0.45 MPa, Unannealed)</td>
<td>40</td>
<td>°C</td>
<td>ISO 75B-1, -2</td>
</tr>
</tbody>
</table>

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Notes
These are typical property values not to be construed as specification limits.

Processing Techniques
Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

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

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