Technical Data Sheet
DEXPRO E420-UV BLK
Polypropylene Compounds

Product Description
DEXPRO E420-UV BLK is a fractional melt flow, high flexural modulus thermoplastic polyolefin (TPO) formulated for ease of processing. It is typically used for thermoformed applications that require low-temperature toughness and dimensional stability.

Regulatory Status
For regulatory compliance information, see DEXPRO E420-UV BLK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
North America

Application
Industrial; Panels & Profiles

Market
Automotive; Industrial, Building & Construction

Processing Method
Sheet and Profile Extrusion; Thermoforming

Attribute
Good Dimensional Stability; Good Melt Strength

Typical Properties

<table>
<thead>
<tr>
<th>Physical</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>0.65</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density, (23 °C)</td>
<td>1.06</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus, (23 °C, 2 mm/min)</td>
<td>2000</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Stress at Yield, (23 °C, 50 mm/min)</td>
<td>27</td>
<td>MPa</td>
<td>ISO 527-1,-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Impact</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notched Izod Impact Strength, (23 °C)</td>
<td>50</td>
<td>kJ/m²</td>
<td>ISO 180</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Information</th>
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</thead>
<tbody>
<tr>
<td>Mold Shrinkage</td>
<td></td>
<td></td>
<td>ISO 294-4</td>
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</tbody>
</table>

Please contact LyondellBasell for shrinkage recommendations.
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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