Technical Data Sheet

Hifax ETA4161UV GRY

Polypropylene Compounds

Product Description

Hifax ETA4161UV fractional melt flow, 1,200 MPa flexural modulus, UV-stabilized, extrusion grade thermoplastic elastomeric olefin (TEO) resin has an excellent combination of stiffness, impact resistance, melt strength, weatherability and processability. It is typically used to accommodate specific thermoformed applications.

Regulatory Status

For regulatory compliance information, see Hifax ETA4161UV GRY Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status

Commercial: Active

Availability

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

Application

Panels & Profiles

Market

Pipe

Processing Method

Thermoforming

Typical Properties

<table>
<thead>
<tr>
<th>Property</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>0.5</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.91</td>
<td>g/cm³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>1200</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tear Strength</td>
<td>110</td>
<td>kN/m</td>
<td>ASTM D624</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>28</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Break</td>
<td>250</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Notched Izod Impact Strength, (23 °C)</td>
<td>740</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>Durometer Hardness, (D Scale)</td>
<td>70</td>
<td></td>
<td>ASTM D2240</td>
</tr>
<tr>
<td>Deflection Temperature Under Load</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(66 psi, Unannealed)</td>
<td>80</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
<tr>
<td>(264 psi, Unannealed)</td>
<td>50</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>

Additional Information

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/](http://www.lyb.com/).

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