## Product Description

*HiFax TYC 1235X E2 Black* is a 25% talc filled PP copolymer with high flowability, high stiffness and good impact resistance. It is typically used for painted automotive exterior trim applications.

## Regulatory Status

For regulatory compliance information, see *HiFax TYC 1235X E2 BLACK* [Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS)].

### Status

- **Under Industrialization**

### Availability

- **Europe**

### Application

- **Body Panels; Exterior Automotive Applications**

### Market

- **Automotive**

### Processing Method

- **Injection Molding**

### Attribute

- **Good Dimensional Stability; Good Impact Resistance; Good Moldability; High Flow; High Stiffness; Low Shrinkage; Paintable**

## Typical Properties

### Physical

<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>30</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density, (23 °C, Method A)</td>
<td>1.07</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus, (23 °C)</td>
<td>2600</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
</tbody>
</table>

### Impact

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charpy Impact Strength - Notched (23 °C)</td>
<td>25</td>
<td>kJ/m²</td>
<td>ISO 179-1/1eA</td>
</tr>
<tr>
<td>(-40 °C)</td>
<td>3</td>
<td>kJ/m²</td>
<td>ISO 179-1/1eA</td>
</tr>
</tbody>
</table>

### Thermal

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<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.

Availability indicates the region where the material is produced. For importation or demand of a local equivalent grade, please contact our Sales Representatives.

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.

Product Storage and Handling
- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

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

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