Hifax TKC 519X C1 BLACK

Polypropylene Compounds

Product Description
Hifax TKC 519X C1 Black is a mineral reinforced, impact modified polypropylene copolymer for injection molding. It combines very high rigidity with a low coefficient of linear thermal expansion (CLTE) and very good processability for body panel applications. The grade has been specifically designed for molding of large complex parts that require good dimensional.

Regulatory Status
For regulatory compliance information, see Hifax TKC 519X C1 BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
Asia-Pacific

Application
Body Panels; Exterior Automotive Applications

Market
Automotive

Processing Method
Injection Molding

Attribute
Good Dimensional Stability; Good Impact Resistance; Good Processability; Impact Modified; Low Shrinkage; Paintable

Typical Properties

<table>
<thead>
<tr>
<th>Physical 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>16</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density, (23 °C)</td>
<td>1.16</td>
<td>g/cm³</td>
<td>ISO 1183-1/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus</td>
<td>2800</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Strength, (23 °C)</td>
<td>20</td>
<td>MPa</td>
<td>ISO 527-1, -2</td>
</tr>
</tbody>
</table>

Impact

<table>
<thead>
<tr>
<th>Notched Izod Impact Strength</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>(23 °C)</td>
<td>25</td>
<td>kJ/m²</td>
<td>ISO 180/1A</td>
</tr>
<tr>
<td>(-30 °C)</td>
<td>3.5</td>
<td>kJ/m²</td>
<td>ISO 180/1A</td>
</tr>
</tbody>
</table>
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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