Product Description
Hifax TKC 519X Black is a mineral reinforced, impact modified polypropylene copolymer for injection moulding. 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 moulding of large complex parts that require good dimensional stability.

Regulatory Status
For regulatory compliance information, see Hifax TKC 519X 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>Property</th>
<th>Nominal Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td>Mechanical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>2900</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>
<tr>
<td>Impact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod Impact Strength</td>
<td></td>
<td></td>
<td></td>
</tr>
<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/.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer
Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks
The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.