Clyrell RC5056 Technical Data Sheet

Polypropylene, Random Copolymer

Product Description
Clyrell RC5056 is a polypropylene random copolymer, with high gloss, excellent clarity, balance of rigidity and impact. Typical customer applications are injection molding of high clarity containers, housewares.

Regulatory Status
For regulatory compliance information, see Clyrell RC5056 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status
Commercial: Active

Availability
Africa-Middle East; Asia-Pacific; Australia and New Zealand

Application
Clear Containers; Housewares

Market
Consumer Products; Rigid Packaging

Processing Method
Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding

Attribute
High Clarity; High Gloss; Random Copolymer

### 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 Melt Flow Rate, (230 °C/2.16 kg)</td>
<td>10</td>
<td>g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ASTM D792</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>1400</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>35</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>10</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Impact Notched Izod Impact Strength, (23 °C)</td>
<td>50</td>
<td>J/m</td>
<td>ASTM D256</td>
</tr>
<tr>
<td>Hardness Rockwell Hardness, (R-Scale)</td>
<td>102</td>
<td></td>
<td>ASTM D785</td>
</tr>
<tr>
<td>Thermal Vicat Softening Point</td>
<td>134</td>
<td>°C</td>
<td>ASTM D1525</td>
</tr>
<tr>
<td>Deflection Temperature Under Load, (0.46 N/mm²)</td>
<td>100</td>
<td>°C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>
Notes
These are typical property values not to be construed as specification limits.

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

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