Technical Data Sheet

Clyrell RC215M

Polypropylene, Random Copolymer

Product Description

Clyrell RC215M is a high flow and highly modified polypropylene random copolymer. It contains anti-blocking and slip additives.

Clyrell RC215M is typically used by customers for manufacturing of un-oriented films. Typical applications reported by customers are lamination, textile and packaging of foodstuffs.

Customers have been reporting that films produced using Clyrell/RC215M offer a good balance of properties such as high clarity, brightness, stiffness and medium seal initiation temperature (SIT).

Regulatory Status

For regulatory compliance information, see Clyrell RC215M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status

Commercial: Active

Availability

Africa-Middle East; Europe

Application

Food Packaging Film; Textile Packaging Film

Market

Flexible Packaging

Processing Method

Cast Film

Attribute

High Clarity; High Gloss; Medium Temperature Heat Sealability; Random Copolymer; Unspecified Antiblocking; Unspecified Slip

Typical Properties

<table>
<thead>
<tr>
<th>Typical Properties</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>10.5</td>
<td>g/10 min</td>
<td>ISO 1133-1</td>
</tr>
<tr>
<td>Density</td>
<td>0.90</td>
<td>g/cm³</td>
<td>ISO 1183-1</td>
</tr>
<tr>
<td>Mechanical Flexural Modulus</td>
<td>1000</td>
<td>MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Tensile Stress at Break</td>
<td>30</td>
<td>MPa</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Stress at Yield</td>
<td>27</td>
<td>MPa</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Strain at Break</td>
<td>600</td>
<td>%</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Tensile Strain at Yield</td>
<td>11</td>
<td>%</td>
<td>ISO 527-1,-2</td>
</tr>
<tr>
<td>Impact Charpy Impact Strength - Notched</td>
<td>6</td>
<td>kJ/m²</td>
<td>ISO 179-1/1eA</td>
</tr>
<tr>
<td>(23 °C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(0 °C)</td>
<td>2</td>
<td>kJ/m²</td>
<td>ISO 179-1/1eA</td>
</tr>
<tr>
<td>Thermal Vicat Softening Temperature, (A/50 N)</td>
<td>130</td>
<td>°C</td>
<td>ISO 306</td>
</tr>
<tr>
<td>Heat Deflection Temperature B, (0.45 MPa, Unannealed)</td>
<td>68</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.

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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