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>Physical</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>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>
</tbody>
</table>

**Mechanical**

| Flexural Modulus | 1000 | MPa | ISO 178 |
| Tensile Stress at Break | 30 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 27 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | 600 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 11 | % | ISO 527-1, -2 |

**Impact**

| Charpy Impact Strength - Notched (23 °C) | 6 | kJ/m² | ISO 179-1/1eA |
| Charpy Impact Strength - Notched (0 °C) | 2 | kJ/m² | ISO 179-1/1eA |

**Thermal**

| Vicat Softening Temperature, (A/50 N) | 130 | °C | ISO 306 |
Notes
ISO properties above are typical values of LYB products from Europe.
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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