ExxonMobil™ LLDPE LL 6201 Series
Linear Low Density Polyethylene Resin

Product Description
LL 6201 series are high flow LLDPE grades, which offer a unique combination of excellent processability and outstanding product properties. Parts manufactured from LL 6201 have good gloss and offer advantages in toughness, environmental stress crack resistance, stiffness and heat distortion resistance over comparable low density polyethylene items.

General

| Availability 1 |  |  |
|----------------|------------------|
| Africa & Middle East | Asia Pacific | Europe |

| Additive |  |  |
|----------|------------------|
| LL 6201XR: Thermal Stabilizer: Yes | LL 6201RQ: Thermal Stabilizer: Yes |

| Applications |  |  |
|--------------|------------------|
| Compounding (RQ version) | Lids | Thin Wall Articles |

| Revision Date |  |  |
|---------------|------------------|
| 03/01/2013 |

Resin Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.926 g/cm³</td>
<td>0.926 g/cm³</td>
<td>ExxonMobil Method</td>
</tr>
<tr>
<td>Melt Index (190°C/2.16 kg)</td>
<td>50 g/10 min</td>
<td>50 g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Peak Melting Temperature</td>
<td>250 °F</td>
<td>121 °C</td>
<td>ExxonMobil Method</td>
</tr>
</tbody>
</table>

Thermal

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vicat Softening Temperature</td>
<td>196 °F</td>
<td>91 °C</td>
<td>ISO 306</td>
</tr>
</tbody>
</table>

Molded Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Stress at Yield</td>
<td>1600 psi</td>
<td>11 MPa</td>
<td>ISO 527-2/1A/50</td>
</tr>
<tr>
<td>Tensile Strain at Yield</td>
<td>20 %</td>
<td>20 %</td>
<td>ISO 527-2/1A/50</td>
</tr>
<tr>
<td>Tensile Strain at Break</td>
<td>&gt;100 %</td>
<td>&gt;100 %</td>
<td>ISO 527-2/1A/50</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>42000 psi</td>
<td>290 MPa</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Environmental Stress-Crack Resistance</td>
<td>10% Igepal</td>
<td>7 hr</td>
<td>ASTM D1693</td>
</tr>
</tbody>
</table>

Impact

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notched Izod Impact Strength</td>
<td>22 ft·lb/in²</td>
<td>47 kJ/m²</td>
<td>ISO 180/1A</td>
</tr>
</tbody>
</table>

Additional Information

The molded properties were measured on 4 mm (157.5 mil) thick injection molded specimen based on ISO 1872-2. ESCR was measured on 2 mm (78.7 mil) thick compression molded plate.

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Notes

Typical properties: these are not to be construed as specifications.

1 Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.