ExxonMobil™ PP1105E1
Polypropylene Homopolymer

Product Description
A high melt flow rate homopolymer resin designed for general purpose injection molding.

General
Availability
- Europe
- North America
Features
- Controlled Rheology
- General Purpose
- Good Processability
- High Flow
- Narrow Molecular Weight Distribution
Uses
- Automotive Applications
- Consumer Applications
- Fabrics
- Fibers
- Nonwovens
- Packaging
Appearance
- Natural Color
Form(s)
- Pellets
Processing Method
- Compounding
- Injection Blow Molding
Revision Date
- 10/01/2017

Physical
<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)</td>
<td>35 g/10 min</td>
<td>35 g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.900 g/cm³</td>
<td>0.900 g/cm³</td>
<td>ExxonMobil Method</td>
</tr>
</tbody>
</table>

Mechanical
<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength at Yield 2.0 in/min (51 mm/min)</td>
<td>5020 psi</td>
<td>34.6 MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Elongation at Yield (2.0 in/min (51 mm/min))</td>
<td>9.9 %</td>
<td>9.9 %</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)</td>
<td>205000 psi</td>
<td>1410 MPa</td>
<td>ASTM D790A</td>
</tr>
<tr>
<td></td>
<td>0.51 in/min (13 mm/min)</td>
<td>240000 psi</td>
<td>1650 MPa</td>
</tr>
</tbody>
</table>

Impact
<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notched Izod Impact (73°F (23°C))</td>
<td>0.49 ft·lb/in</td>
<td>26 J/m</td>
<td>ASTM D256A</td>
</tr>
</tbody>
</table>

Thermal
<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deflection Temperature Under Load (DTUL) at 66psi - Unannealed</td>
<td>202 °F</td>
<td>94.5 °C</td>
<td>ASTM D648</td>
</tr>
</tbody>
</table>

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

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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.