Product Description

*Moplen* EP200R is a "Reactor-made Thermoplastic PolyOlefin", super impact copolymer with high impact resistance. Typical customer application is compounding base resin for automotive bumper fascia.

Regulatory Status

For regulatory compliance information, see Hifax EP200R [Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS)].

Status

- Commercial: Active

Availability

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

Application

- Exterior Automotive Applications; Interior Automotive Applications

Market

- Automotive; Consumer Products; Industrial Packaging

Processing Method

- Injection Molding

Attribute

- Good Processability; Good Toughness; Impact Copolymer; Low Temperature Impact Resistance

### 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>21</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus</td>
<td>750</td>
<td>MPa</td>
<td>ASTM D790</td>
</tr>
<tr>
<td>Tensile Strength at Yield</td>
<td>18</td>
<td>MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Tensile Elongation at Yield</td>
<td>6</td>
<td>%</td>
<td>ASTM D638</td>
</tr>
</tbody>
</table>

### Impact

- Notched Izod Impact Strength
  - (23 °C) No Break
  - (-20 °C) 130 J/m
  - ASTM D256

### Hardness

- Shore Hardness, (Shore D) 60 ASTM D2240
- Rockwell Hardness, (R-Scale) 50 ASTM D785

### Thermal

- Vicat Softening Point 130 °C ASTM D1525
- Deflection Temperature Under Load, (0.46 N/mm²) 85 °C ASTM D648

### Optical

- Gardner Gloss, (60°) 30 ASTM D523
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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