

Technical Data Sheet

Moplen EP3307



Polypropylene, Impact Copolymer

Product Description

Moplen EP3307 is a high crystallinity copolymer polypropylene for injection moulding, designed for interior trim. The grade features an excellent balance of stiffness and impact resistance combined with high fluidity. The grade is UV stabilized for interior applications and is available in natural, pellet form.

Regulatory Status

For regulatory compliance information, see Moplen EP3307 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|---|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Europe |
| Application | Interior Automotive Applications |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good UV Resistance; High Impact Resistance; High Rigidity |

| Typical Properties | Nominal | | Test Method |
|---|---------|-------------------|---------------|
| | Value | Units | |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 14 | g/10 min | ISO 1133-1 |
| Density | 0.89 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 1100 | MPa | ISO 178 |
| Tensile Stress at Break | 15 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 20 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | 350 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 6 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 40 | kJ/m ² | ISO 179 |
| (0 °C) | 10 | kJ/m ² | ISO 179 |
| (-20 °C) | 7 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 140 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 90 | °C | ISO 75B-1, -2 |
| DSC Melting Point | 163 | °C | DSC |

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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- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
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- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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