

Technical Data Sheet

Moplen EP200R

Polypropylene, Impact Copolymer



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 Moplen 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	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	21	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	750	MPa	ASTM D790
Tensile Strength at Yield	18	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	No Break		ASTM D256
(-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/mm ²)	85	°C	ASTM D648
Optical			
Gardner Gloss, (60°)	30		ASTM D523

Notes

LyondellBasell
Technical Data Sheet
Date: 7/25/2017

Moplen EP200R
Recipient Tracking #:
Request #: 907390

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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Users should review the applicable Safety Data Sheet before handling the product.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (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.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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