

Technical Data Sheet

Moplen EP243R

Polypropylene, Impact Copolymer



Product Description

Moplen EP243R is a high flow impact copolymer, with typical applications in injection moulding applications requiring excellent mould filling properties, low warpage and excellent low temperature impact strength at low part weight.

Regulatory Status

For regulatory compliance information, see Moplen EP243R [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Availability

Asia-Pacific; Australia and New Zealand

Attribute

Good Moldability; High Flow; Impact Copolymer; Low Temperature Impact Resistance; Low Warpage; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	24	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	900	MPa	ASTM D790
Tensile Strength at Yield	20	MPa	ASTM D638
Tensile Elongation at Yield	6.5	%	ASTM D638
Impact			
Notched Izod Impact Strength			
(23 °C)	No Break		ASTM D256
(-20 °C)	70	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	70		ASTM D785
Thermal			
Vicat Softening Point	135	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm ²)	95	°C	ASTM D648

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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- (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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