

Technical Data Sheet



Moplen EP448R B

Polypropylene, Impact Copolymer

Product Description

Moplen EP448R B is a nucleated heterophasic copolymer used for injection moulding applications. It exhibits an excellent stiffness / impact balance combined with a good fluidity. Moplen EP448R B is applied in toys, furniture and thin-walled injection moulding items.

Regulatory Status

For regulatory compliance information, see Moplen EP448R B [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific
Application	Compounding; Furniture; Housewares; Opaque Containers; Sports, Leisure & Toys
Market	Compounding; Consumer Products; Electrical / Electronics; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Stiffness; Medium Flow; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ISO 1133-1
Mechanical			
Tensile Modulus, (23 °C)	1400	MPa	ISO 527-1, -2
Tensile Strength, (23 °C)	25	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C, Method A)	9.5	kJ/m ²	ISO 180
(-20 °C, Type 1, Notch A)	4.5	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (B/10 N)	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	96	°C	ISO 75B-1, -2



Notes

These are typical property values not to be construed as specification limits.

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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