

## 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.

<b>Application</b>	Compounding; Furniture; Housewares; Opaque Containers; Sports, Leisure & Toys
<b>Market</b>	Compounding; Consumer Products; Electrical / Electronics; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Impact Resistance; Good Stiffness; Medium Flow; Nucleated

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