

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.

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