

Technical Data Sheet

Moplen EP249R



Polypropylene, Impact Copolymer

Product Description

Moplen EP249R is a heterophasic copolymer with medium flow in injection molding. This grade is nucleated and characterized by a low temperature impact resistance.

Moplen EP249R is typically used by customers in crates, housewares and opaque containers.

This grade is not intended for medical and pharmaceutical applications.

Application	Crates; Housewares; Opaque Containers; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Flow; Impact Copolymer; Low Temperature Impact Resistance; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	950	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	20	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m ²	ISO 179