Technical Data Sheet

Moplen EP240T

Polypropylene, Impact Copolymer

Product Description

Moplen EP240T is a heterophasic copolymer used in injection molding. This grade is nucleated and characterized by a high flow combined with a medium stiffness-impact balance
Moplen EP240T is typically used by customers in housewares and opaque containers.
Moplen EP240T is UL listed under file E31765.

This grade is not intended for medical and pharmaceutical applications.

Application	Housewares; Opaque Containers
Market	Consumer Products; Industrial, Building & Construction; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	48	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	950	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	7	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	4	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	142	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2