Technical Data Sheet

Moplen EP332L

Polypropylene, Impact Copolymer

Product Description

Moplen EP332L is a heterophasic copolymer with medium flow used in injection molding. This grade is characterized by a medium stiffness-impact balance at low temperature as well as a low warpage tendency. The additive formulation provides a good heat aging resistance.
Moplen EP332L is typically used by customers requiring a high resistance to temperature degradation, in particular for battery cases and automotive components.

This grade is not intended for medical and pharmaceutical applications.

Application	Battery Cases
Market	Automotive; Consumer Products; Industrial, Building & Construction
Processing Method	Injection Molding
Attribute	Good Heat Aging Resistance; Good Impact Resistance; Good Stiffness; Heat Stabilized; Impact Copolymer; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Break	17	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break	70	%	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	9	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	6	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	148	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	84	°C	ISO 75B-1, -2