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.

Regulatory Status

For regulatory compliance information, see *Moplen* EP332L Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; South & Central America
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			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	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)	7.5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4.5	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)	70	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.