

Technical Data Sheet

Moplen EP3307

Polypropylene, Impact Copolymer

Product Description

Moplen EP3307 is a high crystallinity copolymer polypropylene for injection moulding, designed for interior trim. The grade features an excellent balance of stiffness and impact resistance combined with high fluidity. The grade is UV stabilized for interior applications and is available in natural, pellet form.

Application	Interior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good UV Resistance; High Impact Resistance; High Rigidity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Density	0.89	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Break	15	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	350	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	40	kJ/m ²	ISO 179
(0 °C)	10	kJ/m ²	ISO 179
(-20 °C)	7	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC