

Technical Data Sheet

Moplen EP300N



Polypropylene, Impact Copolymer

Product Description

Moplen EP300N is a heterophasic copolymer for injection moulding. The product offers an excellent balance of stiffness, impact strength and processability. Typical applications of Moplen EP300N are packaging, housewares and automotive parts.

Application	Crates; Housewares; Industrial
Market	Automotive; Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Good Impact Resistance; Good Processability; Good Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133-1
Density	0.89	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1050	MPa	ISO 178
Tensile Modulus	1050	MPa	ISO 527-1, -2
Tensile Stress at Break	16.5	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
Tensile Strain at Break	300	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10	kJ/m ²	ISO 179
(0 °C)	5	kJ/m ²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	148	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC