

Moplen EP300N

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

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. Moplen EP300N is suitable for food contact. It is not intended for medical and pharmaceutical applications.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Impact Copolymer		
Uses	Automotive Applications		
	Crates		
	Household Goods		
	Industrial Applications		
	Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.5	%	ISO 527-2
Flexural Modulus - 1% Secant ¹	1100	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	146	°C	ISO 306/A50
Accelerated Oven Ageing ² (150°C)	360	hr	ISO 4577
NOTE			
1.	25 mm/min		
2.	Forced Circulation		

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