

Moplen EP300M

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP300M is a heterophasic copolymer for injection moulding . The product offers an excellent balance of stiffness, impact strength and processability. Typical applications for Moplen EP300M are thin walled packaging, housewares and automotive parts. Moplen EP300M is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Impact Copolymer		
Uses	Automotive Applications		
	Household Goods		
	Thin-walled 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)	7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.5	MPa	ISO 527-2
Flexural Modulus - 1% Secant ¹	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	6.0	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	143	°C	ISO 306/A50
Accelerated Oven Ageing ² (150°C)	360	hr	ISO 4577
NOTE			
1.	1.3 mm/min		
2.	Forced Circulation		

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