

Moplen EP300M

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP300M is a hetrophasic polypropylene for injection moulding. The product offers an excellent balance of stiffness, impact strength and process ability.

Moplen EP300M is largely used in the consumer, packaging and appliance industries for injection moulding applications that require a good mechanical properties balance. Typical applications include household articles, toys, small containers, pails, crates, caps, closures, lids and thin-walled packaging for cold shelf presentation.

Moplen EP300M is also designed for demanding injection moulding applications such as automotive parts, wheels, garden furniture, chair shells and stadium seats.

Moplen EP300M is furthermore suitable for the extrusion of cast film for stationery.

* Moplen EP300M is suitable for food contact.

General Information			
Features	Rigidity, high		
	Impact resistance, good		
	Workability, good		
	Compliance of Food Exposure		
Uses	Thin wall packaging		
	Lawn and Garden Equipment		
	Wheels		
	Electrical appliances		
	Shield		
	Furniture		
	Household goods		
	cast film		
	Application in Automobile Field		
	Container		
	Barrel		
	Shell		
	Toys		
	Stationery		
	Consumer goods application field		
Processing Method	Film extrusion		
	cast film		
	Injection molding		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	40	J/m	ASTM D256
23°C	100	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
NOTE			

1. 压力1 (10N)

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