

Moplen EP500M

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP500M is a polypropylene impact copolymer manufactured using the Spheripol process. It has good balance of stiffness and toughness. Typical applications include moulding of parts for electrical appliances, containers, battery case.

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	Impact Copolymer		
	Low Warpage		
	Weldable		
Uses	Appliances		
	Battery Cases		
	Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Yield)	5.5	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	49	J/m	
23°C	150	J/m	

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