

Moplen EP400M

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP400M is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP400M is a block copolymer selected by customers for use in injection molding of parts of electrical appliances, containers, battery case.

General Information			
UL YellowCard	E215205-465052		
Features	Block Copolymer		
	Food Contact Acceptable		
	High Stiffness		
	Low Temperature Impact Resistance		
	Low Warpage		
	Ultra High Toughness		
	Weldable		
Uses	Appliance Components		
	Battery Cases		
	Containers		
	Electrical/Electronic Applications		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
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)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	26.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	59	J/m	
23°C, Injection Molded	150	J/m	

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