

PolyMirae Moplen EP400M Injection Molding Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Moplen EP400M is the polypropylene block copolymer manufactured by PMC under the license of BASSELL 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. Features: Optimized balance of stiffness and toughness/High impact strength at low temperature/High Stiffness/Low warpage/Good weld strength(Battery case) Applications: Parts of electrical appliances; Containers; Battery case Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP400M-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	9.0 g/10 min	9.0 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	26.5 MPa	3840 psi	ASTM D638
Elongation at Yield	16 %	16 %	ASTM D638
Flexural Modulus	1.08 GPa	156 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.47 J/cm	2.76 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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