

PolyMirae Moplen EP401M Injection Molding Grade Polypropylene

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

Material Notes:

Moplen EP401M is the polypropylene block copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen EP401M is a block copolymer particularly suitable for injection molding of battery case. Moplen EP401M has a effect on masking the appearance of blush. Moplen EP401M meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520. And the components of additives are adequate on the food packaging substances specification of FDA regulation 21 CFR 178.2010. Features: Optimized balance of stiffness and toughness; High impact strength at low temperature; High stiffness; Low warpage; High whiteness Applications: Battery case Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP401M-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 @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	29.4 MPa	4270 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.23 GPa	178 ksi	ASTM D790
Izod Impact, Notched	1.47 J/cm	2.76 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China