

PolyMirae Moplen EP641P Injection Molding Grade Polypropylene

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

Material Notes:

Moplen EP641P is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process.

Moplen EP641P is a block copolymer suitable for injection molding of containers, parts of electrical appliances, crates and pails..Features:

Optimized balance of stiffness and toughness; Low warpage; High stiffnessApplications: Parts of electrical appliances;

HousewaresInformation provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP641P-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	27.5 MPa	3980 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.47 GPa	213 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm @Temperature -20.0 °C	0.918 ft-lb/in @Temperature -4.00 °F	ASTM D256
	1.08 J/cm @Temperature 23.0 °C	2.02 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525

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