

PolyMirae Moplen EP640R Injection Molding Grade Polypropylene

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

Material Notes:

Moplen EP640R is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process.

Moplen EP640R is a block copolymer particularly suitable for injection molding of washing machine tub, thin-walled packaging, parts of electrical appliances, housewares. Moplen EP640R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR

178.2010 for food packaging substances with adequate additives. And contains no dangerous substances according to Federal

Regulations in 21 CFR 177.1520. Features: Optimized balance of stiffness and toughness; High impact strength even at low temperature;

Low warpage and fast cycle time; High stiffnessApplications: Washing machine tub; Parts of electrical appliance; HousewaresInformation

provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP640R-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	32 g/10 min	32 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	98	98	ASTM D785
Tensile Strength, Yield	27.5 MPa	3980 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.57 GPa	228 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm	0.735 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.883 J/cm	1.65 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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