

PolyMirae Moplen EP200R Injection Molding Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Moplen EP200R is the reactor TPO manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen EP200R is a super impact copolymer particularly suitable for injection molding of high impact resistance required application and compounding base resin of automotive bumper fascia. Features: Super high impact strength even at low temperature; Improved processability Applications: Automotive; High impact resistance required application; Container Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP200R-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	21 g/10 min @Load 2.16 kg, Temperature 230 °C	21 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	50	50	ASTM D785
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	17.7 MPa	2560 psi	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	0.735 GPa	107 ksi	ASTM D790
Izod Impact, Notched	1.27 J/cm @Temperature -20.0 °C	2.39 ft-lb/in @Temperature -4.00 °F	ASTM D256
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648
Vicat Softening Point	130 °C	266 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	30 %	30 %	60°; ASTM D523

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