

PolyMirae Moplen 342R Injection Molding Grade Polypropylene

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

Material Notes:

Moplen RP342R is the polypropylene random copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen RP342R is a random copolymer particularly suitable for injection molding of houseware. Moplen RP342R 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: Excellent Transparency; High gloss; Good flowability; Good mechanical property balance Applications: Houseware; Food Container Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-342R-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	25 g/10 min	25 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	31.4 MPa	4550 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.29 GPa	188 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	135 °C	275 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	

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