

## PolyMirae Moplen RP344R Injection Molding Grade Polypropylene

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

**Material Notes:**

Moplen RP344R is a nucleated polypropylene random copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen RP344R is a random copolymer particularly suitable for injection molding of houseware, thin walled articles for food and non food applications, caps and lids Moplen RP344R meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Excellent Transparency; High gloss; Good Color; Good mechanical property balance Applications: Houseware; TWIM; Caps and lids Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-RP344R-Injection-Molding-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-RP344R-Injection-Molding-Grade-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 230 °C	24 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	29.4 MPa	4270 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.23 GPa	178 ksi	ASTM D790
Izod Impact, Notched	0.196 J/cm @Temperature -20.0 °C	0.367 ft-lb/in @Temperature -4.00 °F	ASTM D256
	0.490 J/cm @Temperature 23.0 °C	0.918 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	

**Contact Songhan Plastic Technology Co.,Ltd.**

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