

## PolyMirae Moplen HP640R Injection Molding Grade Polypropylene

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

### Material Notes:

Moplen HP640R is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HP640R is a homopolymer particularly suitable for injection molding of houseware articles, toys, packaging, closures and medical items. Moplen HP640R 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: Good Transparency; High Gloss; Excellent stiffness; Fast cycle time Applications: Houseware/TWIM/food containers Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP640R-Injection-Molding-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP640R-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	110	110	ASTM D785
Tensile Strength, Yield	37.3 MPa	5400 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	ASTM D790
Izod Impact, Notched	0.245 J/cm	0.459 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 °C	252 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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