

## PolyMirae Moplen HP600N Injection Molding Grade Polypropylene

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

**Material Notes:**

Moplen HP600N is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process.

Moplen HP600N is a homopolymer particularly suitable for injection molding of houseware articles, toys, packaging, closures and medical items. Moplen HP600N 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; Low Warpage; Easy Processing; Excellent color and processing stability;

Outstanding gloss and surface appearance Applications: Houseware articles; Toy; Closures; Medical Items Information provided by

PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP600N-Injection-Molding-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP600N-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	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	35.3 MPa	5120 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.62 GPa	235 ksi	ASTM D790
Izod Impact, Notched	0.294 J/cm	0.551 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C	225 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	70 %	70 %	ASTM D1003

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

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