

## PolyMirae Moplen HP602N Injection Molding Grade Polypropylene

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

### Material Notes:

Moplen HP602N is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Moplen HP602N is a homopolymer particularly suitable for injection molding of housewares articles, toys, packaging, closures and medical items. Moplen HP602N 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 Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP602N-Injection-Molding-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP602N-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	34.3 MPa	4980 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.57 GPa	228 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

## Contact Songhan Plastic Technology Co.,Ltd.

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