

## PolyMirae Moplen HP640G Sheet and Thermoforming Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

### Material Notes:

Moplen HP640G is the polypropylene Homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Moplen HP640G is a homopolymer particularly suitable for sheet and thermoforming. Moplen HP640G 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: Excellent processability and stretchability; High stiffness; High heat distortion temperature; High mechanical properties; Excellent melt strength Applications: Food packaging and tray; Rigid sheet;

Microwave-use Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP640G-Sheet-and-Thermoforming-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP640G-Sheet-and-Thermoforming-Grade-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.25 g/10 min @Load 2.16 kg, Temperature 230 °C	1.25 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	38.2 MPa	5550 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.67 GPa	242 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648
Vicat Softening Point	158 °C	316 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China