

## PolyMirae Moplen HP557G Stretch Grade Polypropylene

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

**Material Notes:**

Moplen HP557G is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HP557G is a homopolymer suitable for high strength rope, container bags and extruded nets. Moplen HP557G 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: High mechanical properties; Good UV stability  
Applications: High strength for container bag; Rope; Extruded nets  
Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP557G-Stretch-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP557G-Stretch-Grade-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 230 °C	1.3 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	36.3 MPa	5260 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.47 GPa	213 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)	103 °C	217 °F	ASTM D648
Vicat Softening Point	152 °C	306 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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