

## PolyMirae Moplen EP648N Injection Molding Grade Polypropylene

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

### Material Notes:

Moplen EP648N is the polypropylene block copolymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Moplen EP648N is a high gloss block copolymer particularly suitable for injection molding of parts of electrical appliances, containers.

Moplen EP648N meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520. Features: Optimized balance of stiffness and toughness; High gloss; High stiffness; Heat resistance; Scratch resistance; Applications: Parts of electrical appliances;

Containers Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-EP648N-Injection-Molding-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP648N-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	9.5 g/10 min @Load 2.16 kg, Temperature 230 °C	9.5 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	34.3 MPa	4980 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.81 GPa	263 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 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	153 °C	307 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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