

PolyMirae Moplen HP601N Injection Molding Grade Polypropylene

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

Material Notes:

Moplen HP601N is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Moplen HP601N is a homopolymer typically used by customers in Glass Mat Sheet and thermoforming applications. Moplen HP601N resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Excellent processibility and stretchability; High mechanical properties
Applications: Glass mat sheet
Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP601N-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	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	1.67 GPa	242 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

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