

PolyMirae Moplen HF600N Injection Molding Grade Polypropylene

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

Material Notes:

Moplen HF600N is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HF600N is a homopolymer with improved productivity and lower energy consumption and particularly suitable for injection molding of houseware articles, containers and general purpose. Moplen HF600N is an ADDIFORM homopolymer, ADDIFORM is the new controlled morphology polypropylene and is not palletized. Compared to ordinary palletized polypropylene, ADDIFORM gives considerable advantages in productivity, processing and energy consumption. Moplen HF600N 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: Reduce cycle time, considerable energy saving; Better color dispersion and lower consumption of color masterbatches Applications: Containers; General houseware articles Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HF600N-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12.5 g/10 min @Load 2.16 kg, Temperature 230 °C	12.5 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

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