

PolyMirae Moplen HP600R Injection Grade Polypropylene

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

Material Notes:

Moplen HP600R is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP600R is a homopolymer typically used in injection molding of food containers and general houseware articles. Moplen HP600R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Easy processing; Outstanding gloss and surface appearance Applications: Houseware articles; Food Containers Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP600R-Injection-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	25 g/10 min	25 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	36.3 MPa	5260 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.67 GPa	242 ksi	ASTM D790
Izod Impact, Notched	0.245 J/cm	0.459 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ASTM D648

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