

PolyMirae Moplen HP552R Fiber (Staple/BCF/CF) Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Moplen HP552R is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HP552R is a homopolymer typically used by customers in high speed production of staple fiber. Moplen HP552R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Excellent spinnability; Excellent drawability; Anti-gas fading; Outstanding gloss and surface appearance Applications: Staple Fiber for diaper and sanitary napkin; BCF/Multi-Filament: Automobile Interior stuffs; Industrial; Base resin for Master/Batch Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP552R-Fiber-StapleBCFCF-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 @Load 2.16 kg, Temperature 230 °C	25 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	37.3 MPa	5400 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.47 GPa	213 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)	106 °C	223 °F	ASTM D648

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