

PolyMirae Moplen HP562S Fiber (Spunbond) Grade Polypropylene

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

Material Notes:

Moplen HP562S is the controlled rheology polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HP562S is a homopolymer particularly suitable for spunbonded nonwovens. Moplen HP562S 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: Excellent spinnability; Excellent drawability; Odorless; Narrow molecular weight distribution; Anti-gas fading Applications: Diaper and Sanitary Napkin; Agriculture; Shopping Bag; Apparel Cover; Wet Tissues Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP562S-Fiber-Spunbond-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	34 g/10 min @Load 2.16 kg, Temperature 230 °C	34 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Yield	37.3 MPa	5400 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	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)	100 °C	212 °F	ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525

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