

PolyMirae Moplen HP521M IPP/WQBF Grade Polypropylene

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

Material Notes:

Moplen HP521M is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Moplen HP521M is suitable for core resin of co-extrusion CPP film. Moplen HP521M resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Good processability/Good optical properties/Good Stiffness

Applications: General purpose CPP/Metallizable CPP/Food and clothes packaging Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP521M-IPPWQBF-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	35.3 MPa	5120 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)	110 °C	230 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525

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