

## PolyMirae Moplen EP300C Sheet and Thermoforming Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

**Material Notes:**

Moplen EP300C is the polypropylene blockpolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen EP300C is a block copolymer particularly suitable for sheet and thermoforming. Moplen EP300C 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 processability and stretchability; High stiffness; High mechanical properties; High melt strengthApplications: Food packaging and tray; Rigid sheet; Corrugated board; Irrigation tapeInformation provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-EP300C-Sheet-and-Thermoforming-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP300C-Sheet-and-Thermoforming-Grade-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM D785
Tensile Strength, Yield	31.4 MPa	4550 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.08 GPa	156 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm @Temperature -20.0 °C	1.10 ft-lb/in @Temperature -4.00 °F	ASTM D256
	6.86 J/cm @Temperature 23.0 °C	12.9 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	152 °C	306 °F	ASTM D1525

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