

PolyMirae Moplen EP300H Injection Molding Grade Polypropylene

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

Material Notes:

Moplen EP300H is a heterophasic copolymer, suitable for injection moulding as well as for thermoforming applications. Moplen EP300H is a excellent low temperature impact behavior combined with a good processability. Moplen EP300H is suitable for food contact. Features: High impact strength at low temperature/Optimized balance of stiffness and toughness/High surface hardness/Good dimensional stability/Good pigment dispersion/Lower warpageApplications: Houseware/Crates/Stackable boxes/Small Appliances/Toy articles /Thermoforming applications/Margarine tubs/Ring balance in WM /Stationary sheets/Blow molding bottles/Pail lidsInformation provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP300H-Injection-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	27.5 MPa	3980 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	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
	4.90 J/cm @Temperature 23.0 °C	9.18 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648

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