

PolyMirae Moplen EP300K Injection Molding Grade Polypropylene

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

Material Notes:

Moplen EP300K is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP300K is a block copolymer particularly suitable for injection molding of pallet. Moplen EP300K meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520. And the components of additives are adequate on the food packaging substances specification of FDA regulation 21 CFR 178.2010. Features: Very high impact even at low temperature combined with a good stiffness/Optimized balance of stiffness and toughness/Low warpage Applications: E&E/Houseware/Crates Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP300K-Injection-Molding-Grade-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D1505 |
| Melt Flow | 4.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 4.0 g/10 min @Load 4.76 lb, Temperature 446 °F | Condition L; ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------------------------------|---|-----------|
| Flexural Modulus | 1.23 GPa | 178 ksi | ASTM D790 |
| Izod Impact, Notched | 0.490 J/cm @Temperature -20.0 °C | 0.918 ft-lb/in @Temperature -4.00 °F | |
| | 0.981 J/cm @Temperature 23.0 °C | 1.84 ft-lb/in @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 100 °C | 212 °F | ASTM D648 |
| Vicat Softening Point | 148 °C | 298 °F | ASTM D1525 |

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