

## PolyMirae Moplen EP340G Sheet and Thermoforming Grade Polypropylene

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

**Material Notes:**

Moplen RP340G is the polypropylene random copolymer polymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen RP340G is a random copolymer particularly suitable for thermoforming and general blow molding. Moplen RP340G 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 clarity; Excellent gloss and surface appearance; Good processability; Low blooming in use; Good melt tension Applications: Thermoforming; General Blow Molding Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-EP340G-Sheet-and-Thermoforming-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-EP340G-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           | 1.8 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 1.8 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | Condition L; ASTM D1238 |

| Mechanical Properties   | Metric    | English       | Comments  |
|-------------------------|-----------|---------------|-----------|
| Hardness, Rockwell R    | 88        | 88            | ASTM D785 |
| Tensile Strength, Yield | 35.3 MPa  | 5120 psi      | ASTM D638 |
| Elongation at Yield     | 12 %      | 12 %          | ASTM D638 |
| Flexural Modulus        | 1.18 GPa  | 171 ksi       | ASTM D790 |
| Izod Impact, Notched    | 1.47 J/cm | 2.76 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                       | 135 °C | 275 °F  | ASTM D1525 |

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