

## PolyMirae Moplen HP553P Fiber (Staple) Grade Polypropylene

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

### Material Notes:

Moplen HP553P is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP553P is a homopolymer typically used by customers in high speed production of staple fiber. Moplen HP553P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. Features: Excellent spinnability; Excellent drawability; Anti-gas fading; Outstanding gloss and surface appearance Applications: Staple Fiber for diaper and sanitary napkin; Geotextile; Industrial Information provided by PolyMirae Company Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyMirae-Moplen-HP553P-Fiber-Staple-Grade-Polypropylene.php](http://www.lookpolymers.com/polymer_PolyMirae-Moplen-HP553P-Fiber-Staple-Grade-Polypropylene.php)

| Physical Properties | Metric                                              | English                                             | Comments                |
|---------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------|
| Density             | 0.900 g/cc                                          | 0.0325 lb/in <sup>3</sup>                           | ASTM D1505              |
| Melt Flow           | 14 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 14 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | Condition L; ASTM D1238 |

| Mechanical Properties   | Metric     | English        | Comments  |
|-------------------------|------------|----------------|-----------|
| Hardness, Rockwell R    | 104        | 104            | ASTM D785 |
| Tensile Strength, Yield | 37.3 MPa   | 5400 psi       | ASTM D638 |
| Elongation at Yield     | 10 %       | 10 %           | ASTM D638 |
| Flexural Modulus        | 1.47 GPa   | 213 ksi        | ASTM D790 |
| Izod Impact, Notched    | 0.392 J/cm | 0.735 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 105 °C | 221 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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