

## Niche Polymer PPHM15BK Homopolymer PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Information provided by Niche Polymer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Niche-Polymer-PPHM15BK-Homopolymer-PP.php](http://www.lookpolymers.com/polymer_Niche-Polymer-PPHM15BK-Homopolymer-PP.php)

| Physical Properties   | Metric                  | English                 | Comments  |
|-----------------------|-------------------------|-------------------------|-----------|
| Linear Mold Shrinkage | 0.000100 - 0.0200 cm/cm | 0.000100 - 0.0200 in/in | ASTM D955 |
| Melt Flow             | 15.0 g/10 min           | 15.0 g/10 min           | ASTM D123 |

| Mechanical Properties     | Metric                           | English                               | Comments  |
|---------------------------|----------------------------------|---------------------------------------|-----------|
| Tensile Strength at Break | >= 31.0 MPa                      | >= 4500 psi                           | ASTM D638 |
| Elongation at Break       | 150 %                            | 150 %                                 | ASTM D638 |
| Flexural Strength         | 48.3 MPa                         | 7000 psi                              | ASTM D790 |
| Flexural Modulus          | >= 1.24 GPa                      | >= 180 ksi                            | ASTM D790 |
| Izod Impact, Unnotched    | 0.427 J/cm<br>@Thickness 3.17 mm | 0.800 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 119 °C | 246 °F  | ASTM D648 |

| Processing Properties | Metric       | English      | Comments  |
|-----------------------|--------------|--------------|-----------|
| Melt Temperature      | 160 - 165 °C | 320 - 329 °F | ASTM D789 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Black |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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