

## Multibase Nylex™ 2185 Polyamide + PP

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

Material Notes:

Forms: Pellets Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-Nylex-2185-Polyamide-PP.php](http://www.lookpolymers.com/polymer_Multibase-Nylex-2185-Polyamide-PP.php)

| Physical Properties   | Metric   | English  | Comments   |
|-----------------------|--|--|------------|
| Specific Gravity      | 0.970 g/cc   | 0.970 g/cc   | ASTM 792   |
| Linear Mold Shrinkage | 0.0090 cm/cm   | 0.0090 in/in   | ASTM D955  |
| Melt Flow             | 1.4 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 1.4 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ASTM D1238 |

| Mechanical Properties      | Metric    | English       | Comments  |
|----------------------------|-----------|---------------|---|
| Tensile Strength, Ultimate | 37.2 MPa  | 5400 psi      | ASTM D638   |
| Elongation at Break        | 120 %     | 120 %         | ASTM D638   |
| Flexural Strength          | 43.4 MPa  | 6300 psi      | ASTM D790   |
| Flexural Modulus           | 1.38 GPa  | 200 ksi       | Method I (3 point load), Procedure B);<br>ASTM D790 |
| Izod Impact, Notched       | 1.07 J/cm | 2.00 ft-lb/in | ASTM D256   |
| Gardner Impact             | 16.9 J    | 12.5 ft-lb    | ASTM D3029  |

| Thermal Properties                             | Metric  | English | Comments              |
|--|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 135 °C  | 275 °F  | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 85.0 °C | 185 °F  | Unannealed; ASTM D648 |
| Vicat Softening Point                          | 165 °C  | 329 °F  | ASTM D1525            |

## Contact Songhan Plastic Technology Co.,Ltd.

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