

## Diamond Polymers NPP30-0500 TF20 20% Talc Filled Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

### Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NPP30-0500-TF20-20-Talc-Filled-Homopolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP30-0500-TF20-20-Talc-Filled-Homopolymer-Polypropylene.php)

| Physical Properties | Metric   | English  | Comments         |
|---------------------|--|--|------------------|
| Density             | 1.05 g/cc  | 0.0379 lb/in <sup>3</sup>                            | ASTM D792        |
| Filler Content      | 20 %   | 20 %   | Talc; ASTM D5630 |
| Melt Flow           | 5.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 5.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ASTM D1238       |

| Mechanical Properties   | Metric   | English   | Comments                   |
|-------------------------|--|---|----------------------------|
| Tensile Strength, Yield | 34.0 MPa   | 4930 psi  | chs 2.0 in/min; ASTM D638  |
| Flexural Modulus        | 2.459 GPa  | 356.6 ksi   | chs 0.05 in/min; ASTM D790 |
| Izod Impact, Notched    | 0.270 J/cm<br>@Thickness 3.17 mm,<br>Temperature 23.0 °C | 0.506 ft-lb/in<br>@Thickness 0.125 in,<br>Temperature 73.4 °F | ASTM D256                  |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 127 °C | 261 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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