

## PTS Trimid® N66- 100NL Nucleated, Lubricated Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Nucleated

### Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PTS-Trimid-N66-100NL-Nucleated-Lubricated-Nylon-66.php](http://www.lookpolymers.com/polymer_PTS-Trimid-N66-100NL-Nucleated-Lubricated-Nylon-66.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.14 g/cc | 0.0412 lb/in <sup>3</sup> | ASTM D792 |

| Mechanical Properties   | Metric                           | English                               | Comments  |
|-------------------------|----------------------------------|---------------------------------------|-----------|
| Tensile Strength, Yield | 86.2 MPa                         | 12500 psi                             | ASTM D638 |
| Elongation at Break     | 20 %                             | 20 %                                  | ASTM D638 |
| Flexural Yield Strength | 124.1 MPa                        | 18000 psi                             | ASTM D790 |
| Flexural Modulus        | 2.96 GPa                         | 429 ksi                               | ASTM D790 |
| Izod Impact, Notched    | 0.430 J/cm<br>@Thickness 3.17 mm | 0.806 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments  |
|---|---------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 88.0 °C | 190 °F  | ASTM D648 |

| Processing Properties     | Metric         | English       | Comments |
|---------------------------|----------------|---------------|----------|
| Rear Barrel Temperature   | 254 °C         | 490 °F        |          |
| Middle Barrel Temperature | 268 °C         | 515 °F        |          |
| Front Barrel Temperature  | 285 °C         | 545 °F        |          |
| Nozzle Temperature        | 266 - 282 °C   | 510 - 540 °F  |          |
| Melt Temperature          | 271 - 293 °C   | 520 - 560 °F  |          |
| Mold Temperature          | 26.7 - 93.3 °C | 80.0 - 200 °F |          |
| Drying Temperature        | 71.1 °C        | 160 °F        |          |
| Dry Time                  | 4 hour         | 4 hour        |          |
| Injection Pressure        | 68.9 MPa       | 10000 psi     |          |

| Back Pressure<br>Processing Properties | 0.0689 - 0.689 MPa<br>Metric | 10.0 - 100 psi<br>English | Comments |
|--|------------------------------|---------------------------|----------|
| Screw Speed                            | 30 - 60 rpm                  | 30 - 60 rpm               |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China