

**PTS Trimid® N6-600 Medium Viscosity Extrusion Grade Nylon 6**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Extruded

**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-N6-600-Medium-Viscosity-Extrusion-Grade-Nylon-6.php](http://www.lookpolymers.com/polymer_PTS-Trimid-N6-600-Medium-Viscosity-Extrusion-Grade-Nylon-6.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	82.7 MPa	12000 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Flexural Yield Strength	102 MPa	14800 psi	ASTM D790
Izod Impact, Notched	0.370 J/cm @Thickness 3.17 mm	0.693 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	175 °C	347 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648
Flammability, UL94	V-2 @Thickness 3.17 mm	V-2 @Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	<= 216 °C	<= 420 °F	
Middle Barrel Temperature	227 - 254 °C	440 - 490 °F	
Front Barrel Temperature	238 - 266 °C	460 - 510 °F	
Nozzle Temperature	238 - 266 °C	460 - 510 °F	
Melt Temperature	232 - 271 °C	450 - 520 °F	
Mold Temperature	21.1 - 93.3 °C	70.0 - 200 °F	
Drying Temperature	82.2 °C	180 °F	

<b>Dry Time</b> Processing Properties	<b>3 - 4 hour</b> Metric	<b>3 - 4 hour</b> English	Comments
Injection Pressure	82.7 - 172 MPa	12000 - 25000 psi	
Back Pressure	0.000 - 0.345 MPa	0.000 - 50.0 psi	
Screw Speed	40 - 80 rpm	40 - 80 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