

## PTS Trimid® N66-S100L High Impact Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### 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-S100L-High-Impact-Nylon-66.php](http://www.lookpolymers.com/polymer_PTS-Trimid-N66-S100L-High-Impact-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Ultimate	51.0 MPa	7400 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Modulus	1.72 GPa	249 ksi	ASTM D790
Izod Impact, Notched	10.14 J/cm @Thickness 3.17 mm	19.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °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 Processing Properties	68.9 MPa Metric	10000 psi English	Comments
Back Pressure	0.0689 - 0.689 MPa	10.0 - 100 psi	
Screw Speed	30 - 60 rpm	30 - 60 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

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