

PTS Trimid® N66-1010 Utility Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

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-N66-1010-Utility-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.5 MPa	9500 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Modulus	2.24 GPa	325 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm @Thickness 3.17 mm	0.806 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °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 Processing Properties	0.0689 - 0.689 MPa Metric	10.0 - 100 psi English	Comments
Screw Speed	30 - 60 rpm	30 - 60 rpm	

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