

**Product Texts**

LNP THERMOCOMP PF001S compound is based on Nylon 6 resin containing 5% glass fiber. Added features of this grade include: Heat Stabilized.

UL Yellow Card Link [E207780-103093411](https://www.ulprospector.com/PA66/properties/207780-103093411)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>3970</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>88</b>	MPa	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Flexural Modulus	<b>3570</b>	MPa	ASTM D 790
Flexural Strength	<b>131</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>42</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>534</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>176</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1170</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.25</b>	%	-
Melt temperature	<b>265 - 275</b>	°C	-
Mold temperature	<b>80 - 95</b>	°C	-
Zone 1	<b>250 - 260</b>	°C	-
Zone 2	<b>265 - 275</b>	°C	-
Zone 3	<b>275 - 290</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific