

**Product Texts**

LNP THERMOTUF PF003IU compound is based on Nylon 6 resin containing 15% glass fiber. Added features of this grade include: Impact Modified and UV Stabilized.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>103</b>	MPa	ASTM D 638
Flexural Modulus	<b>4100</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>65</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>610</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>215</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>197</b>	°C	ASTM D 648
Vicat Temperature	<b>201</b>	°C	ASTM D 1525

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>100 - 110</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>250 - 265</b>	°C	-
Mold temperature	<b>65 - 90</b>	°C	-
Zone 1	<b>240 - 255</b>	°C	-
Zone 2	<b>245 - 260</b>	°C	-
Zone 3	<b>250 - 265</b>	°C	-
Screw speed	<b>50 - 80</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Special Characteristics**

High impact or impact modified

**Regional Availability**

North America, Europe, Asia Pacific