

**Product Texts**

LNP THERMOTUF PF008IR compound is based on Nylon 6 resin containing 40% glass fiber. Added features of this grade include: Impact Modified, Mold Release.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength at Break	143	MPa	ASTM D 638
Elongation at Break	2.4	%	ASTM D 638
Flexural Modulus	9850	MPa	ASTM D 790
Flexural Strength	255	MPa	ASTM D 790
Izod Impact notched, 1/8 in	144	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 264 psi	205	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1460	kg/m <sup>3</sup>	ASTM D 792

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

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

High impact or impact modified