

Product Texts

LNP THERMOTUF RF002I compound is based on Nylon 6/6 resin containing 10% glass fiber. Added features of this grade include: Impact Modified.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4820	MPa	ASTM D 638
Tensile Strength at Break	107	MPa	ASTM D 638
Elongation at Break	4.1	%	ASTM D 638
Flexural Modulus	4340	MPa	ASTM D 790
Flexural Strength	158	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	747	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	204	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	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	280 - 305	°C	-
Mold temperature	95 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

High impact or impact modified