

Product Texts

LNP THERMOTUF DF008EI compound is based on Polycarbonate (PC) resin containing 40% glass fiber. Added features of this grade include: Easy Molding, Impact Modified.

UL Yellow Card Link [E207780-101345229](https://www.ul.com/yellow-card/E207780-101345229)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, TD	0.3	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11100	MPa	ISO 527
Yield stress	129	MPa	ISO 527
Yield strain	2	%	ISO 527
Stress at break	130	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	10100	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Izod impact strength, +23°C, 4mm	51	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	12630	MPa	ASTM D 638
Tensile Strength at Yield	132	MPa	ASTM D 638
Tensile Strength at Break	132	MPa	ASTM D 638
Elongation at Yield	2.2	%	ASTM D 638
Elongation at Break	2.2	%	ASTM D 638
Flexural Modulus	10610	MPa	ASTM D 790
Flexural Strength	199	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	838	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	135	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
ASTM Data			
DTUL @ 264 psi	133	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1510	kg/m ³	ISO 1183
Density	1510	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°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