

**Product Texts**

LNP THERMOCOMP EF006 compound is based on Polyetherimide (PEI) resin containing 30% glass fiber.

UL Yellow Card Link [E121562-101357467](https://www.ul.com/yellow-card/E121562-101357467)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10400	MPa	ISO 527
Stress at break	177	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus	11500	MPa	ISO 178
Flexural strength	263	MPa	ISO 178
Izod impact strength, +23°C, 4mm	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	11440	MPa	ASTM D 638
Tensile Strength at Break	188	MPa	ASTM D 638
Elongation at Break	2.4	%	ASTM D 638
Flexural Modulus	11370	MPa	ASTM D 790
Flexural Strength	270	MPa	ASTM D 790
Izod Impact notched, 1/8 in	106	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	758	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	209	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	203	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.21	%	Sim. to ISO 62
Density	1520	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1530	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 400	°C	-
Mold temperature	140 - 180	°C	-
Zone 1	360 - 380	°C	-
Zone 2	370 - 390	°C	-
Zone 3	380 - 400	°C	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America