

**Product Texts**

LNP THERMOCOMP EF006H compound is based on Polyetherimide (PEI) resin containing 30% glass fiber. Added features of this grade include: Healthcare.

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

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>10340</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>166</b>	MPa	ASTM D 638
Elongation at Break	<b>2.3</b>	%	ASTM D 638
Flexural Modulus	<b>10340</b>	MPa	ASTM D 790
Flexural Strength	<b>262</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>85</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>640</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>204</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1520</b>	kg/m <sup>3</sup>	ASTM D 792

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

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific