

**Product Texts**

LNP THERMOCOMP LF006 compound is based on Polyetheretherketone (PEEK) resin containing 30% glass fiber.

UL Yellow Card Link [E121562-101284444](https://www.ulprospector.com/121562-101284444)

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	13100	MPa	ISO 527
Stress at break	175	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus	12700	MPa	ISO 178
Flexural strength	263	MPa	ISO 178
Izod impact strength, +23°C, 4mm	57	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m <sup>2</sup>	ISO 180/1A

**ASTM Data**

Tensile Modulus	13230	MPa	ASTM D 638
Tensile Strength at Break	176	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	10750	MPa	ASTM D 790
Flexural Strength	245	MPa	ASTM D 790
Izod Impact notched, 1/8 in	117	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	875	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
--------------------	-------	------	---------------

**ISO Data**

Temp. of deflection under load, 1.80 MPa	240	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

**ASTM Data**

DTUL @ 66 psi	298	°C	ASTM D 648
DTUL @ 264 psi	298	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
------------------	-------	------	---------------

Humidity absorption	0.08	%	Sim. to ISO 62
Density	1530	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1540	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	-
Mold temperature	175 - 190	°C	-
Zone 1	370 - 380	°C	-
Zone 2	380 - 400	°C	-
Zone 3	380 - 400	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America