

**Product Texts**

LNP THERMOCOMP LF006E compound is based on Polyetheretherketone (PEEK) resin containing 30% glass fiber. Added features of this grade include: Easy Molding.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>11200</b>	MPa	ISO 527
Stress at break	<b>159</b>	MPa	ISO 527
Strain at break	<b>1.9</b>	%	ISO 527
Flexural modulus	<b>9500</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>40</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>9</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>280</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1530</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>380 - 390</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>350 - 360</b>	°C	-
Zone 2	<b>365 - 375</b>	°C	-
Zone 3	<b>380 - 395</b>	°C	-
Screw speed	<b>60 - 100</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe