

**Product Texts**

LNP THERMOCOMP EX11414 compound is based on Polyetherimide (PEI) resin containing 20% carbon fiber. Added features of this grade include: Electrically Conductive, FAR25.853 Compliant.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>17380</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>230</b>	MPa	ASTM D 638
Elongation at Break	<b>1.8</b>	%	ASTM D 638
Flexural Modulus	<b>14600</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>78</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>598</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>213</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>100000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.23</b>	%	ASTM D 570
Density	<b>1330</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

**Applications**

Automotive

**Special Characteristics**

Increased electrical conductivity

**Regional Availability**

North America, Europe, Asia Pacific