

**Product Texts**

LNP COLORCOMP E1000 compound is based on unfilled Polyetherimide (PEI) resin.

UL Yellow Card Link [E121562-101282876](https://www.ulprospector.com/121562-101282876)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>3200</b>	MPa	ISO 527
Yield stress	<b>105</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Stress at break	<b>85</b>	MPa	ISO 527
Strain at break	<b>50</b>	%	ISO 527
Flexural modulus	<b>3300</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>N</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>5</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>190</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1270</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>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

**Applications**

Automotive