

**Product Texts**

LNP THERMOCOMP PDXE98480 compound is based on Polyetherimide (PEI) resin containing 40% glass fiber.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.5	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	14200	MPa	ISO 527
Stress at break	162	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus	12800	MPa	ISO 178
Flexural strength	243	MPa	ISO 178
Izod impact strength, +23°C, 4mm	33	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	8	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	15100	MPa	ASTM D 638
Tensile Strength at Break	180	MPa	ASTM D 638
Elongation at Break	1.7	%	ASTM D 638
Flexural Modulus	13400	MPa	ASTM D 790
Izod Impact notched, 1/8 in	92	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	500	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	208	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	213	°C	ISO 75-1/-2
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	29	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	92	E-6/K	ASTM D 696
DTUL @ 66 psi	213	°C	ASTM D 648
DTUL @ 264 psi	208	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.17	%	Sim. to ISO 62
Water Absorption, 24hr	0.12	%	ASTM D 570
Density	1600	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 365	°C	-
Mold temperature	120 - 150	°C	-
Zone 1	345 - 355	°C	-
Zone 2	355 - 365	°C	-
Zone 3	365 - 375	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific