

Product Texts

LNP THERMOCOMP LF002 compound is based on Polyetheretherketone (PEEK) resin containing 10% glass fiber.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5700	MPa	ISO 527
Yield stress	97	MPa	ISO 527
Yield strain	3.4	%	ISO 527
Flexural modulus	4700	MPa	ISO 178
Izod impact strength, +23°C, 4mm	49	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	159	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	35	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1370	kg/m ³	ISO 1183

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

Characteristics**Processing**

Injection Molding

Regional Availability

Europe