

Product Texts

LNP THERMOCOMP JF004Z compound is based on Polyethersulfone (PES) resin containing 20% glass fiber. Added features of this grade include: High Viscosity, suitable for Extrusion.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6700	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	5800	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	221	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	225	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1510	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	≤0.05	%	-
Melt temperature	355 - 370	°C	-
Mold temperature	140 - 150	°C	-
Zone 1	345 - 355	°C	-
Zone 2	360 - 370	°C	-
Zone 3	370 - 380	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific