

Product Texts

LNP THERMOCOMP OFC08 compound is based on Polyphenylene sulfide (PPS) resin containing 40% glass fiber. Added features of this grade include: High Modulus and Strength, Good Impact Strength and Ductility, Excellent Heat and Chemical Resistance, Good Electrical properties and Inherently Flame-Retardant. It is also an Easy Flow grade with Good Flash Control. Applications of this grade include electric and electronic components, and various parts requiring high strength and high heat resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	16000	MPa	ISO 527
Stress at break	190	MPa	ISO 527
Strain at break	2.6	%	ISO 527
Flexural modulus	15000	MPa	ISO 178
Flexural strength	290	MPa	ISO 178
Izod impact strength, +23°C, 4mm	50	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	10	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	270	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1660	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 140	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	310 - 330	°C	-
Mold temperature	140 - 170	°C	-
Zone 1	290 - 300	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	50 - 100	rpm	-
Injection speed	100 - 250	mm/s	-
Back pressure	0.3 - 0.5	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

General Chemical Resistance