

**Product Texts**

LNP THERMOCOMP OF008A compound is based on branched Polyphenylene Sulfide (PPS) resin containing 40% glass fiber.

UL Yellow Card Link [E121562-101283821](https://www.ul.com/yellowcard/E121562-101283821)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.2	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.8	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at break	160	MPa	ISO 527
Strain at break	1.2	%	ISO 527
Flexural modulus	13400	MPa	ISO 178
Flexural strength	190	MPa	ISO 178
Izod impact strength, +23°C, 4mm	21	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength at Break	178	MPa	ASTM D 638
Elongation at Break	1.7	%	ASTM D 638
Flexural Modulus	14260	MPa	ASTM D 790
Flexural Strength	248	MPa	ASTM D 790
Izod Impact notched, 1/8 in	101	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	587	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	272	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.5	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	3.0	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	261	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1680	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	h	-
Melt temperature	315 - 320	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	305 - 315	°C	-
Zone 2	320 - 330	°C	-
Zone 3	330 - 345	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America