

**Product Texts**

LNP THERMOCOMP OF008H compound is based on linear Polyphenylene Sulfide (PPS) resin containing 40% glass fiber. Added features of this grade include: Healthcare.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.3</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>1</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>14100</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>140</b>	MPa	ASTM D 638
Elongation at Break	<b>1.6</b>	%	ASTM D 638
Flexural Modulus	<b>14220</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>96</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>534</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>264</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1700</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>315 - 320</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>305 - 315</b>	°C	-
Zone 2	<b>320 - 330</b>	°C	-
Zone 3	<b>330 - 345</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific