

**Product Texts**

LNP THERMOCOMP AR002XXH compound is based on Acrylonitrile Butadiene Styrene (ABS) resin containing 10% Barium Sulfate. Added features of this grade include: Healthcare.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>2400</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>40</b>	MPa	ASTM D 638
Elongation at Break	<b>2.6</b>	%	ASTM D 638
Flexural Modulus	<b>2560</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>84</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>269</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>78</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1120</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>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>260</b>	°C	-
Mold temperature	<b>70 - 80</b>	°C	-
Zone 1	<b>205 - 215</b>	°C	-
Zone 2	<b>230 - 245</b>	°C	-
Zone 3	<b>265 - 275</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