

**Product Texts**

LNP THERMOCOMP UF004AS compound is based on Polyphthalamide (PPA) resin containing 20% glass fiber. Added features of this grade include: Heat Stabilized.

UL Yellow Card Link [E45329-101343841](https://www.ulprospector.com/PPA/PPA-GF20)

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7500	MPa	ISO 527
Stress at break	136	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus	7000	MPa	ISO 178
Izod impact strength, +23°C, 4mm	25	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	256	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	31	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Other properties	Value	Unit	Test Standard
Density	1390	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	315 - 330	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	310 - 320	°C	-
Zone 2	315 - 325	°C	-
Zone 3	325 - 340	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific