

**Product Texts**

LNP THERMOCOMP UX06028 compound is based on Polyphthalamide (PPA) resin containing 40% glass fiber. Added features of this grade include: Mold Release.

UL Yellow Card Link [E45329-101284057](https://www.ulprospector.com/PPA/compound/UX06028)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>14500</b>	MPa	ISO 527
Stress at break	<b>234</b>	MPa	ISO 527
Strain at break	<b>2.1</b>	%	ISO 527
Flexural modulus	<b>12000</b>	MPa	ISO 178
Izod impact strength, +23°C, 4mm	<b>55</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	<b>13</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Coeff. of linear therm. expansion, parallel	<b>23</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>53</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1530</b>	kg/m <sup>3</sup>	ISO 1183

<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	-
Processing humidity	<b>≤0.15</b>	%	-
Melt temperature	<b>315 - 330</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>310 - 320</b>	°C	-
Zone 2	<b>315 - 325</b>	°C	-
Zone 3	<b>325 - 340</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

**Applications**

Automotive