

Product Texts

LNP THERMOCOMP UX08325 compound is based on Polyphthalamide (PPA) resin containing 30% glass fiber. Added features of this grade include: Improved Plating Surface and Mechanical Performance suitable for Laser Direct Structuring (LDS) applications, SMT Process capable.

UL Yellow Card Link [E207780-101334270](https://www.ul.com/yellow-card/E207780-101334270)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11100	MPa	ISO 527
Stress at break	125	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Flexural modulus	9610	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	2	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	10880	MPa	ASTM D 638
Tensile Strength at Break	135	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Flexural Modulus	9770	MPa	ASTM D 790
Izod Impact notched, 1/8 in	31	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	351	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	261	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB 1.5	class mm	IEC 60695-11-10 -
ASTM Data			
DTUL @ 264 psi	263	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.53	%	Sim. to ISO 62
Density	1550	kg/m ³	ASTM D 792

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