

Product Texts

LNP THERMOCOMP UX08319 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, Improved Dielectric Properties.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	13780	MPa	ASTM D 638
Tensile Strength at Break	125	MPa	ASTM D 638
Elongation at Break	1.4	%	ASTM D 638
Flexural Modulus	11500	MPa	ASTM D 790
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	265	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	2140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 130	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	315 - 330	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	300 - 320	°C	-
Zone 2	310 - 330	°C	-
Zone 3	300 - 330	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	20 - 40	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive