

Product Texts

LNP THERMOCOMP DX10311 compound is based on Polycarbonate (PC) resin containing 30% glass fiber. Added features of this grade include: High Modulus and Good Ductility.

UL Yellow Card Link [E207780-101133363](https://www.ul.com/yellow-card/E207780-101133363)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	37	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8260	MPa	ISO 527
Stress at break	119	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus	7720	MPa	ISO 178
ASTM Data			
Tensile Modulus	8330	MPa	ASTM D 638
Tensile Strength at Break	117	MPa	ASTM D 638
Elongation at Break	2.6	%	ASTM D 638
Flexural Modulus	7670	MPa	ASTM D 790
Flexural Strength	190	MPa	ASTM D 790
Izod Impact notched, 1/8 in	196	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	752	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
ASTM Data			
DTUL @ 66 psi	128	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1420	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	280 - 320	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	250 - 280	°C	-
Zone 2	280 - 320	°C	-
Zone 3	280 - 320	°C	-
Screw speed	30 - 100	rpm	-
Back pressure	1 - 5	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific