

**Product Texts**

LNP THERMOCOMP DX15354 compound is based on Polycarbonate (PC) resin containing proprietary fillers and available in black color only. Added features of this grade include: Improved Plating Surface and Mechanical Performance suitable for Laser Direct Structuring (LDS) applications, Improved Heat Resistance.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	22.8	cm <sup>3</sup> /10min	ISO 1133
Temperature	330	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2940	MPa	ISO 527
Stress at break	58	MPa	ISO 527
Strain at break	11	%	ISO 527
Flexural modulus	2880	MPa	ISO 178
Flexural strength	112	MPa	ISO 178
Izod impact strength, +23°C	182	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 3mm	7	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2920	MPa	ASTM D 638
Tensile Strength at Break	59	MPa	ASTM D 638
Elongation at Break	11	%	ASTM D 638
Flexural Modulus	2890	MPa	ASTM D 790
Izod Impact notched, 1/8 in	61	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2160	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	168	°C	ASTM D 648
DTUL @ 264 psi	155	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Humidity absorption	0.13	%	Sim. to ISO 62
Density	1290	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	135	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	300 - 345	°C	-
Mold temperature	95 - 130	°C	-
Zone 1	280 - 315	°C	-
Zone 2	290 - 335	°C	-
Zone 3	300 - 345	°C	-
Screw speed	40 - 90	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

Automotive