

Product Texts

LNP THERMOCOMP DF002FV compound is based on Polycarbonate (PC) resin containing 10% glass fiber. Added features of this grade include: Improved Plating Surface and Mechanical Performance suitable for Laser Direct Structuring (LDS) applications, Good Surface Aesthetics and Wide Processing Window.

UL Yellow Card Link [E207780-102822332](https://www.ul.com/yellow-card/E207780-102822332)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	29	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3800	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Break	4.1	%	ASTM D 638
Flexural Modulus	3600	MPa	ASTM D 790
Izod Impact notched, 1/8 in	170	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	700	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	0.5	mm	-
ASTM Data			
DTUL @ 66 psi	125	°C	ASTM D 648
DTUL @ 264 psi	119	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	270 - 295	°C	-
Mold temperature	100 - 120	°C	-
Zone 1	270 - 295	°C	-
Zone 2	270 - 295	°C	-
Zone 3	270 - 295	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive