

Product Texts

LNP THERMOCOMP DC0041PR compound is based on Polycarbonate (PC) resin containing 20% carbon fiber. Added features of this grade include: Electrically Conductive, Non-Brominated, Non-Chlorinated Flame Retardant, PCR content up to 30%.

UL Yellow Card Link [E207780-102741949](https://www.ul.com/yellow-card/E207780-102741949)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.08	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.33	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	19000	MPa	ASTM D 638
Tensile Strength at Break	160	MPa	ASTM D 638
Elongation at Break	1.1	%	ASTM D 638
Flexural Modulus	17500	MPa	ASTM D 790
Izod Impact notched, 1/8 in	55	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	400	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
DTUL @ 264 psi	86	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	275 - 310	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 300	°C	-
Screw speed	30 - 63	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Increased electrical conductivity, Flame retardant

Certifications

Recycled Resin Content

Regional Availability

North America, Europe, Asia Pacific