

Product Texts

LNP COLORCOMP D10008PR compound is based on Polycarbonate (PC) resin. Added features of this grade include: Flame Retardant, Exceptional Processing, Mold Release.

UL Yellow Card Link [E121562-103956751](https://www.ul.com/yellowcard/E121562-103956751)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	62	MPa	ASTM D 638
Tensile Strength at Break	65	MPa	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	1.1	mm	-
ASTM Data			
DTUL @ 264 psi	126	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	270 - 295	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	250 - 270	°C	-
Zone 2	260 - 280	°C	-
Zone 3	270 - 295	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific