

Product Texts

LNP COLORCOMP D1000FL compound is based on unfilled Polycarbonate (PC) resin. Added features of this grade include: Superior Molding, Low Extractable.

UL Yellow Card Link [E121562-101283791](https://www.ulprospector.com/121562-101283791)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2390	MPa	ASTM D 638
Tensile Strength at Yield	64	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	1.0	mm	-

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183
Water Absorption, 24hr	0.3	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific