

Product Texts

LNP COLORCOMP J1000AE compound is based on unfilled Polyethersulfone (PES) resin. Added features of this grade include: Easy Molding.

UL Yellow Card Link [E121562-101283890](https://www.ul.com/yellow-card/E121562-101283890)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2690	MPa	ASTM D 638
Tensile Strength at Break	88	MPa	ASTM D 638
Elongation at Yield	6.5	%	ASTM D 638
Flexural Modulus	2620	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	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	0.4	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	52	E-6/K	ASTM D 696
DTUL @ 264 psi	200	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 60 Hz	0.0017	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0056	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.5	%	ASTM D 570
Density	1370	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	355 - 370	°C	-
Mold temperature	140 - 150	°C	-
Zone 1	345 - 355	°C	-
Zone 2	360 - 370	°C	-
Zone 3	370 - 380	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific