

**Product Texts**

LNP COLORCOMP I1000 compound is based on unfilled Nylon 6/12 resin.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	2	mm/mm	ASTM D 955
Mold Shrinkage, TD	2	mm/mm	ASTM D 955

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2390	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Yield strain	4.5	%	ISO 527
<b>ASTM Data</b>			
Elongation at Break	100	%	ASTM D 638

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	62	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	135	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 264 psi	55	°C	ASTM D 648

**Electrical properties**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Constant, 1 MHz	3.2	-	ASTM D 150
Surface Resistivity	1E12	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Density	1060	kg/m <sup>3</sup>	ASTM D 792

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	270 - 275	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	255 - 265	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Applications**

Automotive