

Product Texts

LNP COLORCOMP J1000ER compound is based on unfilled Polyethersulfone (PES) resin. Added features of this grade include: Easy Molding, Mold Release.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Yield stress	88	MPa	ISO 527
Yield strain	6.6	%	ISO 527
Stress at break	77	MPa	ISO 527
Flexural modulus, 23°C	2600	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1380	kg/m ³	ISO 1183

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

Additives

Release agent

Applications

Building Construction, IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America