

LNP™ COLORCOMP™ E1000 compound

Polyether Imide

SABIC Innovative Plastics Europe

Message:

LNP COLORCOMP E1000 is a compound based on Polyetherimide resin.

General Information			
UL YellowCard	E45329-101344675		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	105	MPa	
Break	85.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	6.0	%	
Break	60	%	
Flexural Modulus ¹	3300	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	190	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	80.0 to 120	°C	
Rear Temperature	340 to 395	°C	
Middle Temperature	350 to 405	°C	
Front Temperature	360 to 415	°C	
Nozzle Temperature	350 to 405	°C	
Processing (Melt) Temp	370 to 410	°C	
Mold Temperature	140 to 180	°C	

NOTE	
1.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4 mm

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Recommended distributors for this material

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