

LNP™ COLORCOMP™ D1000P compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP COLORCOMP D1000P is an unfilled Polycarbonate. Added feature of this grade is: Exceptional Processing.

Also known as: LNP* COLORCOMP* Compound D-1000 EP

Product reorder name: D1000P

General Information			
Features	Good Processability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.20	g/cm ³	ASTM D792
--	1.19	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.60 to 0.80	%	ASTM D955
Across Flow : 24 hr	0.70 to 0.90	%	ASTM D955
Across Flow : 24 hr	0.75	%	ISO 294-4
Flow : 24 hr	0.65	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2070	MPa	ASTM D638
--	2210	MPa	ISO 527-2/1
Tensile Strength			
Yield	62.1	MPa	ASTM D638
Yield	64.0	MPa	ISO 527-2
Break	56.5	MPa	ASTM D638
Break	59.0	MPa	ISO 527-2
Tensile Elongation			
Yield	5.3	%	ASTM D638
Yield	5.6	%	ISO 527-2
Break	79	%	ASTM D638
Break	87	%	ISO 527-2
Flexural Modulus			
--	2760	MPa	ASTM D790
--	2300	MPa	ISO 178
Flexural Stress	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	540	J/m	ASTM D256

23°C ²	13	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	124	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ³	124	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	304 to 316	°C	
Front Temperature	310 to 321	°C	
Processing (Melt) Temp	299 to 316	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

