

LNP™ COLORCOMP™ G1000 compound

Polysulfone
SABIC Innovative Plastics

Message:
LNP COLORCOMP G1000-GY4A805-0 is a compound based on Polysulfone resin. Added features include: Custom Color Grey.

General Information			
RoHS Compliance	RoHS compliance		
Appearance	Grey		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 - 0.70	%	Internal method
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	76.0	MPa	ISO 527-2/50
Fracture	60.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.9	%	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	6.0	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			
0.45 MPa, unannealed, 64.0mm span	183	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	170	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	6.1E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	6.2E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	121 - 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	327 - 338	°C	
Middle Temperature	338 - 349	°C	
Front Temperature	349 - 360	°C	
Processing (Melt) Temp	360 - 371	°C	

Mold Temperature	149	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

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



WECHAT