

Lupoy® GN1000F

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy® GN1000F is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Lupoy® GN1000F are:

Flame Rated

Flame Retardant

Halogen Free

Typical application of Lupoy® GN1000F: Electrical/Electronic Applications

General Information			
UL YellowCard	E67171-100582872	E353371-101107267	
Features	Flame Retardant		
	Halogen Free		
Uses	Computer Components		
	Electrical/Electronic Applications		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	72.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 50	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2650	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	95.0	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
2.50 mm	V-0		

3.00 mm	V-0		
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 to 240	°C	
Middle Temperature	235 to 255	°C	
Front Temperature	250 to 265	°C	
Nozzle Temperature	250 to 265	°C	
Processing (Melt) Temp	235 to 265	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.981 to 3.92	MPa	
Screw Speed	40 to 70	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	10 mm/min		
4.	10 mm/min		

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

