

Lupoy® GN1006FM

Polycarbonate

LG Chem Ltd.

Message:

Description
Halogen Free Flame Retardant, Transparency
Application
IT/OA, Electric & Electronic Housing and Components

General Information			
UL YellowCard	E67171-248606	E248280-533904	E353371-101107270
Features	E302314-100879661		
	Flame Retardant		
	Halogen Free		
Uses	Electrical/Electronic Applications		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	61.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2260	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	91.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	720	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	130	°C	ASTM D648
Vicat Softening Temperature	141	°C	ASTM D1525 ⁵
RTI Elec	120	°C	UL 746
RTI Imp	110	°C	UL 746
RTI Str	120	°C	UL 746
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value		Test Method

Flame Rating			UL 94
1.50 mm	V-2		
2.00 mm	V-1		
2.50 mm	V-0		
3.00 mm	V-0		
Additional Information	Nominal Value	Unit	Test Method
Transparency	87	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 to 280	°C	
Middle Temperature	280 to 300	°C	
Front Temperature	300 to 320	°C	
Nozzle Temperature	300 to 320	°C	
Processing (Melt) Temp	300 to 320	°C	
Mold Temperature	80.0 to 120	°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		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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