

Lupoy GN5009F

Polycarbonate + ABS

LG Chem Ltd.

Message:

Description
Halogen Free Flame Retardent, High Flow.
Application
IT/OA(Housing)

General Information			
UL YellowCard	E67171-248473	E353371-101107279	
Features	Flame Retardant		
	Halogen Free		
	High Flow		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	21	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)	54.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 50	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	2650	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	87.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 6.40 mm)	85.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-1		
	V-0		
2.00 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	

Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	< 0.020	%
Rear Temperature	210 to 240	°C
Middle Temperature	215 to 250	°C
Front Temperature	225 to 260	°C
Nozzle Temperature	220 to 250	°C
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50.0 to 70.0	°C
Screw Speed	40 to 70	rpm

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |
| 5. | 4.6kg |

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