

Lupoy® GN1008RF

Polycarbonate
LG Chem Ltd.

Message:

Lupoy® GN1008RF is a Polycarbonate (PC) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Important attributes of Lupoy® GN1008RF are:
Flame Rated
Flame Retardant
Halogen Free
Impact Resistant
Typical application of Lupoy® GN1008RF: Electrical/Electronic Applications

General Information			
UL YellowCard	E67171-100068057	E302314-100644077	E248280-100213954
	E353371-101107271		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Impact Resistance		
Uses	Computer Components		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	59.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	100	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2350	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	91.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	780	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	101	°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
0.400 mm	V-2	
0.600 mm	V-0	
0.800 mm	V-0	
3.00 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	85.0 to 95.0	°C
Drying Time	3.0 to 5.0	hr
Suggested Max Moisture	0.040	%
Rear Temperature	245 to 260	°C
Middle Temperature	260 to 275	°C
Front Temperature	265 to 280	°C
Nozzle Temperature	270 to 285	°C
Processing (Melt) Temp	245 to 285	°C
Mold Temperature	70.0 to 90.0	°C
Back Pressure	0.981 to 1.96	MPa
Screw Speed	40 to 70	rpm
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

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Recommended distributors for this material

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