

Lupoy® GN5001RFG

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy® GN5001RFG 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® GN5001RFG are:

Flame Rated

Flame Retardant

Halogen Free

Low Shrinkage

General Information			
UL YellowCard	E67171-248471		
Features	Flame Retardant		
	Halogen Free		
	Low Shrinkage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress (Yield)	62.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 20	%	ISO 527-2/50
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress ²	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Notched Izod Impact Strength ³ (23°C)	13	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	91.0	°C	ISO 75-2/B
Vicat Softening Temperature	99.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.20 mm	V-0		
1.50 mm	5VB		
2.50 mm	5VA		

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.	2.0 mm/min	
2.	2.0 mm/min	
3.	6.4 mm	

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Recommended distributors for this material

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