

Lupoy® GN5001RFM

Polycarbonate + ABS

LG Chem Ltd.

Message:

Description

Halogen Free Flame Retardent, General Purpose

Application

E&E(Housing)

General Information			
UL YellowCard	E67171-248471		
Features	Flame Retardant		
	General Purpose		
	Halogen Free		
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)	9.5	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)	2350	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	86.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 6.40 mm)	92.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
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	225 to 255	°C	
Middle Temperature	230 to 260	°C	
Front Temperature	230 to 260	°C	
Nozzle Temperature	230 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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