

Lupoy® RF3208F

Polycarbonate

LG Chem Ltd.

Message:

Lupoy®RF3208F is a polycarbonate (PC) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Lupoy®The main features of the RF3208F are:

flame retardant/rated flame

Flame Retardant

Halogen-free

Lupoy®Typical application fields of RF3208F are: electrical/electronic applications

General Information			
UL YellowCard	E67171-100059219	E248280-100158640	E353371-101107283
Additive	Flame retardancy		
Features	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
Appearance	White		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	38	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	53.9	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	70	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2550	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	93.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	120	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI	80.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-0	UL 94	
Optical	Nominal Value	Unit	
Reflectance (550 nm)	97	%	

Injection	Nominal Value	Unit
Drying Temperature	100 - 120	°C
Drying Time	5.0 - 7.0	hr
Rear Temperature	250 - 280	°C
Middle Temperature	260 - 290	°C
Front Temperature	260 - 290	°C
Nozzle Temperature	260 - 280	°C
Processing (Melt) Temp	260 - 280	°C
Mold Temperature	45.0 - 80.0	°C
Back Pressure	0.981 - 3.92	MPa
Screw Speed	40 - 100	rpm

Injection instructions

Minimum Moisture Content: 0.02%

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

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

