

Lupoy® ER5001RF

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy®ER5001RF is a polycarbonate acrylonitrile butadiene styrene (PC ABS) 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 ER5001RF are:

flame retardant/rated flame

Flame Retardant

Halogen-free

Lupoy®Typical application fields of ER5001RF are: electrical/electronic applications

General Information			
UL YellowCard	E67171-100128357	E353371-101107265	
Additive	Flame retardancy		
Features	Halogen-free		
	Flame retardancy		
Uses	Computer components		
	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Flexural Modulus ² (3.20 mm)	2550	MPa	ASTM D790
Flexural Strength ³ (3.20 mm)	93.2	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 (0.45 MPa, Unannealed, 6.40 mm)	92.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.20 mm	V-0		UL 94
1.50 mm	V-0		UL 94

3.00 mm	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	75.0 - 85.0	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	225 - 240	°C
Middle Temperature	240 - 255	°C
Front Temperature	250 - 265	°C
Nozzle Temperature	250 - 265	°C
Processing (Melt) Temp	235 - 265	°C
Mold Temperature	50.0 - 80.0	°C
Back Pressure	0.0196 - 0.0588	MPa
Screw Speed	40 - 70	rpm
Extrusion instructions		
Minimum Moisture Content: 0.02%		
NOTE		
1.	50 mm/min	
2.	10 mm/min	
3.	10 mm/min	

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