

Lupoy® ER5001RFA

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy® ER5001RFA is a Polycarbonate + ABS (PC+ABS) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Lupoy® ER5001RFA are:

Flame Rated

Flame Retardant

Halogen Free

Typical application of Lupoy® ER5001RFA: Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
	Halogen Free		
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) (260°C/2.16 kg)	25	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)	60.8	MPa	ASTM D638
Flexural Modulus ² (3.20 mm)	2550	MPa	ASTM D790
Flexural Strength ³ (3.20 mm)	97.1	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)	94.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.20 mm	V-0		
1.50 mm	V-0		
3.00 mm	V-0		

Injection	Nominal Value	Unit
Drying Temperature	75.0 to 85.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	225 to 240	°C
Middle Temperature	240 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	0.0196 to 0.0588	MPa
Screw Speed	40 to 70	rpm
NOTE		
1.	50 mm/min	
2.	10 mm/min	
3.	10 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

