

Lupoy® ER5151RFA

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy® ER5151RFA is a Polycarbonate + ABS (PC+ABS) material filled with mineral. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Lupoy® ER5151RFA are:

Flame Rated

Flame Retardant

Halogen Free

High Strength

Typical application of Lupoy® ER5151RFA: Electrical/Electronic Applications

General Information			
UL YellowCard	E67171-100182875		
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	High Strength		
Uses	Computer Components		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	62.8	MPa	ASTM D638
Flexural Modulus ² (3.20 mm)	4220	MPa	ASTM D790
Flexural Strength ³ (3.20 mm)	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 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 Str	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	

Flame Rating		UL 94
1.00 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	230 to 250	°C
Middle Temperature	245 to 265	°C
Front Temperature	260 to 275	°C
Nozzle Temperature	260 to 275	°C
Processing (Melt) Temp	245 to 275	°C
Mold Temperature	60.0 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

