

Lupoy® EC5000A

Polycarbonate + PBT

LG Chem Ltd.

Message:

Description

General Purpose, Anti-Static.

Application

E&E(Housing)

General Information			
UL YellowCard	E302314-530052	E67171-248470	
Features	Antistatic		
	General Purpose		
Uses	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)	9.0	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)	80	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3140	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	94.1	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 ⁵ (0.45 MPa, Unannealed, 3.20 mm)	97.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		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	210 to 240	°C
Middle Temperature	215 to 250	°C
Front Temperature	225 to 260	°C
Nozzle Temperature	220 to 250	°C
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	50.0 to 70.0	°C
Back Pressure	0.981 to 3.92	MPa
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	

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



WECHAT