

Lupoy® EC5000AF

Polycarbonate + ABS

LG Chem Ltd.

Message:

Description

Flame Retardance, Anti-Static.

Application

E&E(Housing)

General Information			
UL YellowCard	E67171-560629		
Features	Antistatic		
	Flame Retardant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	11	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)	52.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 50	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2450	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	85.3	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, 6.40 mm)	98.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+11	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm, Black	V-2		
1.60 mm, White	V-2		
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
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

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