

Lucon® PS6050

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description

Electrostatic Dissipation

(1.0E+05 ~ 1.0E+07 ohm)

Application

LCD Cell Tray

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Carbon nano filler		
	Carbon fiber reinforced material		
Uses	Mobile phone		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	7550	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	95.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5 - 1.0E+7	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	80 - 100	°C	
Drying Time	4.0 - 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	220 - 235	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	220 - 240	°C	
Nozzle Temperature	220 - 240	°C	

Processing (Melt) Temp	235 - 245	°C
Mold Temperature	50 - 80	°C
Back Pressure	0.981 - 3.92	MPa
Screw Speed	40 - 70	rpm

NOTE

- | | |
|----|------------|
| 1. | 5.0 mm/min |
| 2. | 5.0 mm/min |
| 3. | 1.3 mm/min |
| 4. | 1.3 mm/min |

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