

Lucon® PS6090

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description

Electrostatic Dissipation

(1.0E+09 ohm)

Application

Printed Circuit Board Tray

General Information			
Filler / Reinforcement	Carbon nano filler		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/5.0 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	38.2	MPa	ASTM D638
Flexural Modulus ² (3.20 mm)	2060	MPa	ASTM D790
Flexural Strength ³ (3.20 mm)	62.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	87.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	80 - 90	°C	
Drying Time	4.0 - 5.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	210 - 225	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	210 - 230	°C	
Nozzle Temperature	210 - 230	°C	
Processing (Melt) Temp	225 - 235	°C	
Mold Temperature	50 - 80	°C	
Back Pressure	0.981 - 3.92	MPa	
Screw Speed	40 - 70	rpm	
NOTE			

1.	50 mm/min
2.	10 mm/min
3.	10 mm/min

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