

Lucon® PS6054

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Applications:

BLU Carrying Tray

Performance:

LUCON PS-6054

Injection Molding, ABS+CNT+CF

Description:

Electrostatic Dissipation

Good Dimensional Stability

General Information			
Filler / Reinforcement	Carbon Fiber		
	Carbon Nano		
Features	Good Dimensional Stability		
Uses	Support Trays		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.35	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	64.7	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	5390	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 81.3 mm)	54	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 to 1.0E+7	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	200 to 220	°C	
Middle Temperature	210 to 240	°C	
Front Temperature	210 to 240	°C	

Nozzle Temperature	210 to 240	°C
Processing (Melt) Temp	220 to 250	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.00 to 3.92	MPa
Screw Speed	40 to 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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