

Lucon® CP6092

Polycarbonate

LG Chem Ltd.

Message:

Description

Electrostatic Dissipation

(1.0E+07 ~ 1.0E+10 ohm)

High Impact Strength

Application

ATM parts

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Carbon nano filler		
Features	Impact resistance, high		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	93.2	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	6.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4710	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	147	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	137	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7 - 1.0E+10	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	70 - 80	°C	
Drying Time	5.0 - 7.0	hr	
Rear Temperature	280 - 290	°C	
Middle Temperature	290 - 300	°C	
Front Temperature	290 - 310	°C	
Nozzle Temperature	290 - 310	°C	

Processing (Melt) Temp	290 - 310	°C
Mold Temperature	80 - 100	°C
Back Pressure	0.00 - 0.981	MPa
Screw Speed	40 - 60	rpm

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	

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