

Lucon® CP6067

Polycarbonate

LG Chem Ltd.

Message:

Lucon® CP-6067 is a Polycarbonate (PC) material filled with carbon fiber and carbon nano. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Lucon® CP-6067 are:

ESD Protection

Good Processability

High Flow

High Strength

Typical applications include:

Conveyors

Industrial Applications

General Information			
Filler / Reinforcement	Carbon Fiber		
	Carbon Nano		
Features	ESD Protection		
	Good Processability		
	High Flow		
	High Strength		
Uses	Conveyor Parts		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	60	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	98.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	7.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	6280	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)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+5 to 1.0E+6	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	5.0 to 7.0	hr	
Rear Temperature	280 to 300	°C	
Middle Temperature	290 to 310	°C	
Front Temperature	290 to 310	°C	
Nozzle Temperature	290 to 310	°C	
Processing (Melt) Temp	290 to 310	°C	
Mold Temperature	60.0 to 80.0	°C	
Back Pressure	0.00 to 0.981	MPa	
Screw Speed	40 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		

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