Lucon® CP6080

Polycarbonate + ABS

LG Chem Ltd.

Message:

Description
Electrostatic Dissipation ATM parts
Application
Low Surface Tribocharge

General Information			
Filler / Reinforcement	Glass fiber reinforced material Carbon nano filler		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.28	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/3.8 kg)	20	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)	72.6	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	4.0	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	4810	MPa	ASTM D790
Flexural Strength [4] (3.20 mm)	118	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	78	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	129	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+5 - 1.0E+8	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

Recommended distributors for this material

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