Lucon® PX6103F

Polybutylene Terephthalate

LG Chem Ltd.

Message:

Description
Antistatic
Flame Retardant
Application
Copy Machine Inner Housing

General Information			
Filler / Reinforcement	Mineral filler Carbon nano filler		
Additive	Antistatic property		
Features	Antistatic property Flame retardancy		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.48	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.80 - 1.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Flexural Modulus [2] (3.20 mm)	4510	MPa	ASTM D790
Flexural Strength [3] (3.20 mm)	93.2	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	34	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	100	°C	ASTM D648
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI	75.0	°C	UL 746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13 - 1.0E+15	ohms	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.75 mm	V-0		UL 94

1.6 mm	V-0		UL 94
3.2 mm	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80 - 100	°C
Drying Time	4.0 - 5.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	230 - 240	°C
Middle Temperature	245 - 255	°C
Front Temperature	250 - 260	°C
Nozzle Temperature	250 - 260	°C
Processing (Melt) Temp	250 - 260	°C
Mold Temperature	60 - 90	°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

Recommended distributors for this material

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