

LG Chemical LUCON CP6052 PC/ABS+CNT

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Description Injection Molding Grade, PC/ABS+CNT, Electrostatic Dissipation, Low Surface Resistivity, Improved Impact

StrengthApplication: Laser diode Tray, ATM parts, Telecommunication Station Housing,CAS No. 103598-77-2, 9003-56-9, 181028-79-5 and 1333-86-4Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUCON-CP6052-PCABSCNT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.20 mm	0.0040 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 250 Å°C	7.0 g/10 min @Load 22.0 lb, Temperature 482 Å°F	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.7 MPa @Thickness 3.20 mm	9250 psi @Thickness 0.126 in	5mm/min; ASTM D638
Elongation at Break	>= 10 % @Thickness 3.20 mm	>= 10 % @Thickness 0.126 in	5mm/min; ASTM D638
Flexural Yield Strength	98.1 MPa @Thickness 6.40 mm	14200 psi @Thickness 0.252 in	15mm/min; ASTM D790
Flexural Modulus	2.94 GPa @Thickness 6.40 mm	427 ksi @Thickness 0.252 in	15mm/min; ASTM D790
Izod Impact, Notched	0.441 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	0.827 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	117 Å°C @Thickness 6.40 mm	243 Å°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
	1.000 - 1.00e+7 ohm	1.000 - 1.00e+7 ohm	
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	260 - 300 Â°C	500 - 572 Â°F	Injection Molding
Middle Barrel Temperature	270 - 310 Â°C	518 - 590 Â°F	Injection Molding
Front Barrel Temperature	270 - 310 Â°C	518 - 590 Â°F	Injection Molding
Nozzle Temperature	270 - 310 Â°C	518 - 590 Â°F	Injection Molding
Melt Temperature	270 - 310 Â°C	518 - 590 Â°F	Injection Molding
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	Injection Molding
Drying Temperature	70.0 - 80.0 Â°C	158 - 176 Â°F	Injection Molding
Dry Time	5.00 - 7.00 hour	5.00 - 7.00 hour	Injection Molding
Back Pressure	0.000 - 1.96 MPa	0.000 - 284 psi	Injection Molding
Screw Speed	40 - 60 rpm	40 - 60 rpm	Injection Molding

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China