

LG Chemical LUCON CP6062EX PC/ABS+CNT

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

Material Notes:

Description: Sheet Extrusion or Injection Molding, PC/ABS+CNT, Electrostatic Dissipation, Wide Processing Range, Low Surface

ResistivityApplication: BLU Carrying TrayCAS No. 103598-77-2, 9003-56-9, 1333-86-4 and 7782-42-5Information provided by LG

Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUCON-CP6062EX-PCABSCNT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 300 Â°C	20 g/10 min @Load 4.76 lb, Temperature 572 Â°F	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.8 MPa @Thickness 3.20 mm	8530 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	>= 14 % @Thickness 3.20 mm	>= 14 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	98.1 MPa @Thickness 3.20 mm	14200 psi @Thickness 0.126 in	15mm/min; ASTM D790
Flexural Modulus	2.75 GPa @Thickness 3.20 mm	398 ksi @Thickness 0.126 in	15mm/min; ASTM D790
Izod Impact, Notched	0.343 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	0.643 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C @Thickness 6.40 mm	230 Â°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Rear Barrel Temperature	280 - 300 Â°C	536 - 572 Â°F	Injection Molding
Middle Barrel Temperature	290 - 310 Â°C	554 - 590 Â°F	Injection Molding
Front Barrel Temperature	290 - 310 Â°C	554 - 590 Â°F	Injection Molding
Nozzle Temperature	290 - 310 Â°C	554 - 590 Â°F	Injection Molding
Melt Temperature	290 - 310 Â°C	554 - 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

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