

LG Chemical LUCON 6080EX ABS+CF

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 10% Carbon Fiber Filled

Material Notes:

Description: Injection Molding, ABS+CF, Electrostatic Dissipation, Wide Processing RangeApplication: Carrying Cart Pipe Coating, BLU carrying TrayCAS No. 9003-56-9, 9003-54-7 and 7782-42-6Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUCON-6080EX-ABSCF.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 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	10 g/10 min @Load 2.16 kg, Temperature 220 Å°C	10 g/10 min @Load 4.76 lb, Temperature 428 Å°F	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.1 MPa @Thickness 3.20 mm	6260 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	10 % @Thickness 3.20 mm	10 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	76.5 MPa @Thickness 3.20 mm	11100 psi @Thickness 0.126 in	15mm/min; ASTM D790
Flexural Modulus	2.55 GPa @Thickness 3.20 mm	370 ksi @Thickness 0.126 in	15mm/min; ASTM D790
Izod Impact, Notched	>= 0.686 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	>= 1.29 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 Å°C @Thickness 6.40 mm	190 Å°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+6 - 1.00e+11	1.00e+6 - 1.00e+11	IEC 60093

Electrical Properties	ghm Metric	ghm English	Comments
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Injection Molding
Middle Barrel Temperature	230 - 250 Â°C	446 - 482 Â°F	Injection Molding
Front Barrel Temperature	230 - 250 Â°C	446 - 482 Â°F	Injection Molding
Nozzle Temperature	230 - 250 Â°C	446 - 482 Â°F	Injection Molding
Melt Temperature	230 - 250 Â°C	446 - 482 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	4.00 - 5.00 hour	4.00 - 5.00 hour	Injection Molding
Back Pressure	0.000 - 3.92 MPa	0.000 - 569 psi	Injection Molding
Screw Speed	40 - 70 rpm	40 - 70 rpm	Injection Molding

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