

LG Chemical LUCON PS4200 ABS+CF

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

Material Notes:

Description: Injection Molding, ABS+CF, Electrostatic Dissipation, Good Dimensional Stability, Low Warpage
Application: IC Tray
CAS No. 9003-56-9, 12001-26-2 and 7440-44-0
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUCON-PS4200-ABSCF.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	0.35 % @Temperature 23.0 Â°C, Time 86400 sec	0.35 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm @Thickness 3.20 mm	0.0020 - 0.0030 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	64.7 MPa @Thickness 3.20 mm	9390 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	98.1 MPa @Thickness 3.20 mm	14200 psi @Thickness 0.126 in	15mm/min; ASTM D790
Flexural Modulus	5.39 GPa @Thickness 3.20 mm	782 ksi @Thickness 0.126 in	15mm/min; ASTM D790
Izod Impact, Notched	>= 0.490 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	>= 0.918 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)	95.0 Â°C @Thickness 6.40 mm	203 Â°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1e+05 - 1.00e+9 ohm	1e+05 - 1.00e+9 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	200 - 220 Â°C	392 - 428 Â°F	Injection Molding
Middle Barrel Temperature	210 - 240 Â°C	410 - 464 Â°F	Injection Molding
Front Barrel Temperature	210 - 240 Â°C	410 - 464 Â°F	Injection Molding
Nozzle Temperature	210 - 240 Â°C	410 - 464 Â°F	Injection Molding
Melt Temperature	220 - 250 Â°C	428 - 482 Â°F	Injection Molding
Mold Temperature	50.0 - 80.0 Â°C	122 - 176 Â°F	Injection Molding
Drying Temperature	80.0 Â°C	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

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