

LG Chemical LUPOY SG5009F PC/ABS

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

Material Notes:

Description: Injection Molding, PC/ABS, High Gloss, Scratch Resistance, Halogen Free Flame Retardant Application: IT&OA (Notebook PC & Monitor housing) CAS: 103598-77-2 and 181028-79-5 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUPOY-SG5009F-PCABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Maximum Moisture Content	0.040	0.040	Injection Molding
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 250 Â°C	15 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	66.7 MPa @Thickness 3.20 mm	9670 psi @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	103 MPa @Thickness 3.20 mm	14900 psi @Thickness 0.126 in	10mm/min; ASTM D790
Flexural Modulus	2.79 GPa @Thickness 3.20 mm	405 ksi @Thickness 0.126 in	10mm/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 0.46 MPa (66 psi)	90.0 Â°C @Thickness 6.40 mm	194 Â°F @Thickness 0.252 in	Unannealed; ASTM D648
UL RTI, Electrical	60.0 Â°C @Thickness 1.60 - 1.70 mm	140 Â°F @Thickness 0.0630 - 0.0669 in	
	60.0 Â°C	140 Â°F	

Thermal Properties	Metric	English	Comments
UL RTI, Mechanical with Impact	@ Thickness 1.60 - 1.70 mm	@ Thickness 0.0630 - 0.0669 in	
UL RTI, Mechanical without Impact	60.0 Â°C @ Thickness 1.60 - 1.70 mm	140 Â°F @ Thickness 0.0630 - 0.0669 in	
Flammability, UL94	V-0 @ Thickness 1.60 - 1.70 mm	V-0 @ Thickness 0.0630 - 0.0669 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 270 Â°C	446 - 518 Â°F	Injection Molding
Middle Barrel Temperature	235 - 275 Â°C	455 - 527 Â°F	Injection Molding
Front Barrel Temperature	235 - 275 Â°C	455 - 527 Â°F	Injection Molding
Nozzle Temperature	235 - 275 Â°C	455 - 527 Â°F	Injection Molding
Melt Temperature	245 - 275 Â°C	473 - 527 Â°F	Injection Molding
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	Injection Molding
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	Injection Molding
Dry Time	3.00 - 5.00 hour	3.00 - 5.00 hour	Injection Molding
Back Pressure	0.981 - 1.96 MPa	142 - 284 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