

LG Chemical LUPOY GP5006AF PC/ABS, Flame Retardant

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

Material Notes:

Description: Injection Molding, PC/ABS, Flame Retardant
 Application: Electric and Electronic Housing and Components
 CAS: 103598-77-2, 9003-56-9, 68928-70-1 and 1309-64-4
 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUPOY-GP5006AF-PCABS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	Injection Molding
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm @Thickness 3.20 mm	0.0050 - 0.0080 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 250 Å°C	6.0 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	51.0 MPa @Thickness 3.20 mm	7400 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	60 % @Thickness 3.20 mm	60 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	78.5 MPa @Thickness 3.20 mm	11400 psi @Thickness 0.126 in	10mm/min; ASTM D790
Flexural Modulus	2.16 GPa @Thickness 3.20 mm	313 ksi @Thickness 0.126 in	10mm/min; ASTM D790
Izod Impact, Notched	4.41 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	8.27 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)	104 Å°C @Thickness 6.40 mm	219 Å°F @Thickness 0.252 in	Unannealed; ASTM D648

Thermal Properties	85.0 Â°C Metric	185 Â°F English	Comments
UL RTI, Electrical	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	85.0 Â°C	185 Â°F	
	@Thickness >=1.70 mm	@Thickness >=0.0669 in	
	85.0 Â°C	185 Â°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
UL RTI, Mechanical with Impact	75.0 Â°C	167 Â°F	
	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	75.0 Â°C	167 Â°F	
	@Thickness >=1.70 mm	@Thickness >=0.0669 in	
	75.0 Â°C	167 Â°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
UL RTI, Mechanical without Impact	75.0 Â°C	167 Â°F	
	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	75.0 Â°C	167 Â°F	
	@Thickness >=1.70 mm	@Thickness >=0.0669 in	
	75.0 Â°C	167 Â°F	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
Flammability, UL94	V-0	V-0	
	@Thickness >=0.750 mm	@Thickness >=0.0295 in	
	V-0	V-0	
	@Thickness >=1.70 mm	@Thickness >=0.0669 in	
	5VB	5VB	
	@Thickness >=3.00 mm	@Thickness >=0.118 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	240 - 270 Â°C	464 - 518 Â°F	Injection Molding
Middle Barrel Temperature	245 - 275 Â°C	473 - 527 Â°F	Injection Molding

Processing Properties	Metric	English	Comments
Front Barrel Temperature	245 - 275 Â°C	473 - 527 Â°F	Injection Molding
Nozzle Temperature	245 - 275 Â°C	473 - 527 Â°F	Injection Molding
Melt Temperature	240 - 270 Â°C	464 - 518 Â°F	Injection Molding
Mold Temperature	50.0 - 70.0 Â°C	122 - 158 Â°F	Injection Molding
Drying Temperature	80.0 - 100 Â°C	176 - 212 Â°F	Injection Molding
Dry Time	4.00 - 6.00 hour	4.00 - 6.00 hour	Injection Molding
Back Pressure	0.981 - 3.92 MPa	142 - 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