

LG Chemical LUPOY HI5002A PC/ABS, High Impact

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

Material Notes:

Description: Injection Molding, PC/ABS, General Purpose, High Flow, High Impact Application: E&E (housing) CAS: 103598-77-2 and 9003-56-9 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUPOY-HI5002A-PCABS-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 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	8.0 g/10 min @Load 2.16 kg, Temperature 250 Â°C	8.0 g/10 min @Load 4.76 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.9 MPa @Thickness 3.20 mm	7970 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	70 % @Thickness 3.20 mm	70 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	84.3 MPa @Thickness 3.20 mm	12200 psi @Thickness 0.126 in	10mm/min; ASTM D790
Flexural Modulus	2.06 GPa @Thickness 3.20 mm	299 ksi @Thickness 0.126 in	10mm/min; ASTM D790
Izod Impact, Notched	>= 5.59 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	>= 10.5 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)	104 Â°C @Thickness 6.40 mm	219 Â°F @Thickness 0.252 in	Unannealed; ASTM D648
	HB	HB	

Thermal Properties	Metric @ Thickness >= 1.50 mm	English @ Thickness >= 0.0591 in	Comments

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 265 Â°C	446 - 509 Â°F	Injection Molding
Middle Barrel Temperature	235 - 265 Â°C	455 - 509 Â°F	Injection Molding
Front Barrel Temperature	235 - 265 Â°C	455 - 509 Â°F	Injection Molding
Nozzle Temperature	235 - 285 Â°C	455 - 545 Â°F	Injection Molding
Melt Temperature	230 - 260 Â°C	446 - 500 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
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