

LG Chemical LUMILOY GN1006F Injection Molding FR mPPO

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Molded

Material Notes:

Uses include electric/electronic parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUMILOY-GN1006F-Injection-Molding-FR-mPPO.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792
Water Absorption	0.3 % @Time 86400 sec	0.3 % @Time 24.0 hour	ASTM D570
Melt Flow	5.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	5.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.2 MPa @Thickness 3.20 mm	5970 psi @Thickness 0.126 in	ASTM D638
Elongation at Break	25 % @Thickness 3.17 mm	25 % @Thickness 0.125 in	ASTM D638
Flexural Strength	62.8 MPa @Thickness 3.20 mm	9110 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	2.26 GPa @Thickness 3.20 mm	327 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	1.18 J/cm @Thickness 3.20 mm	2.20 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 Â°C @Thickness 3.20 mm	171 Â°F @Thickness 0.126 in	Unannealed; ASTM D648
Flammability, UL94	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2	V-2	

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 240 Â°C	410 - 464 Â°F	
Middle Barrel Temperature	220 - 250 Â°C	428 - 482 Â°F	
Front Barrel Temperature	220 - 250 Â°C	428 - 482 Â°F	
Nozzle Temperature	210 - 240 Â°C	410 - 464 Â°F	
Mold Temperature	50.0 - 70.0 Â°C	122 - 158 Â°F	
Drying Temperature	55 - 70.0 Â°C	130 - 158 Â°F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	>= 0.01 %	>= 0.01 %	

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