

LG Chemical LUMILOY GP2200 Injection Molding Grade, General Purpose 20% Glass Reinforced PPE

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 20% Glass Filled

Material Notes:

NSF Certified for KA02 and E2035. Noted for High Flow, High Impact Strength, and Hydrolytic Stability. Uses include electric/electronic parts and water pump Housing or impellers and other parts with water contact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUMILOY-GP2200-Injection-Molding-Grade-General-Purpose-20-Glass-Reinforced-PPE.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Melt Flow	9.5 g/10 min @Load 5.00 kg, Temperature 280 Â°C	9.5 g/10 min @Load 11.0 lb, Temperature 536 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.1 MPa @Thickness 3.20 mm	13800 psi @Thickness 0.126 in	ASTM D638
Elongation at Break	7.0 % @Thickness 3.17 mm	7.0 % @Thickness 0.125 in	ASTM D638
Flexural Strength	137 MPa @Thickness 3.20 mm	19900 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	4.90 GPa @Thickness 3.20 mm	711 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	1.03 J/cm @Thickness 3.20 mm	1.93 ft-lb/in @Thickness 0.126 in	ASTM D256
Izod Impact, Unnotched	4.51 J/cm @Thickness 3.20 mm	8.45 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C @Thickness 3.20 mm	284 Â°F @Thickness 0.126 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Middle Barrel Temperature	270 - 310 Â°C	518 - 590 Â°F	
Front Barrel Temperature	270 - 310 Â°C	518 - 590 Â°F	
Nozzle Temperature	270 - 310 Â°C	518 - 590 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	80 - 100 Â°C	180 - 212 Â°F	
Dry Time	4 - 5 hour	4 - 5 hour	
Moisture Content	>= 0.03 %	>= 0.03 %	

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