

## LG Chemical LUMILOY GP2300 Injection Molding Grade, General Purpose 30% Glass Reinforced PPE

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 30% Glass Filled

### Material Notes:

NSF Certified for KA02 and E2035. Noted for 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-GP2300-Injection-Molding-Grade-General-Purpose-30-Glass-Reinforced-PPE.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUMILOY-GP2300-Injection-Molding-Grade-General-Purpose-30-Glass-Reinforced-PPE.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	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	121 MPa @Thickness 3.20 mm	17500 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	172 MPa @Thickness 3.20 mm	24900 psi @Thickness 0.126 in	ASTM D790
Flexural Modulus	6.37 GPa @Thickness 3.20 mm	925 ksi @Thickness 0.126 in	ASTM D790
Izod Impact, Notched	1.27 J/cm @Thickness 3.20 mm	2.39 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 Â°C @Thickness 3.20 mm	275 Â°F @Thickness 0.126 in	Unannealed; ASTM D648
Vicat Softening Point	148 Â°C	298 Â°F	Rate B/50; ASTM D1525

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	260 - 300 Â°C	500 - 572 Â°F	

Processing Properties	Metric	English	Comments
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	90 - 100 Â°C	190 - 212 Â°F	
Dry Time	4 - 5 hour	4 - 5 hour	
Moisture Content	>= 0.03 %	>= 0.03 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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