

Lumiloy® GN4356F

Polyphenylene Ether + PS

LG Chem Ltd.

Message:

Injection Molding Grade, Flame Retardent mPPO

Description

High Strength & Modulus, GF & Mineral 35% Reinforced, High Flow

Application

Electric and Electronic Parts

General Information			
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Features	High Flow		
	High Strength		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
280°C/5.0 kg	19	g/10 min	
300°C/5.0 kg	46	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield, 3.20 mm	108	MPa	
Break, 3.20 mm	108	MPa	
Tensile Elongation ²			ASTM D638
Yield, 3.20 mm	6.0	%	
Break, 3.20 mm	6.0	%	
Flexural Modulus ³ (3.20 mm)	8730	MPa	ASTM D790
Flexural Strength ⁴ (Break, 3.20 mm)	157	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.20 mm)	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	121	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-1		
3.20 mm	V-0		
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	4.0 to 5.0	hr
Suggested Max Moisture	> 0.030	%
Rear Temperature	270 to 310	°C
Middle Temperature	280 to 310	°C
Front Temperature	280 to 310	°C
Nozzle Temperature	270 to 310	°C
Processing (Melt) Temp	260 to 290	°C
Mold Temperature	80.0 to 110	°C

NOTE

1.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

