

Lumiloy® GN1106FJ

Polyphenylene Ether

LG Chem Ltd.

Message:

Injection Molding Grade, Flame Retardant mPPE

Description

General Purpose, High Flow, Flame Retardant

Application

Electric and Electronic parts

General Information			
Features	Flame Retardant		
	General Purpose		
	High Flow		
Uses	Electrical/Electronic Applications		
	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow	0.50 to 0.70	%	
Across Flow	0.60 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	49.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	25	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2750	MPa	ASTM D790
Flexural Strength ⁴ (Break, 3.20 mm)	93.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	88.0	°C	ASTM D648
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-1		

3.00 mm	V-1	
Injection	Nominal Value	Unit
Drying Temperature	60.0 to 70.0	°C
Drying Time	3.0 to 5.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	230 to 250	°C
Middle Temperature	240 to 270	°C
Front Temperature	240 to 270	°C
Nozzle Temperature	230 to 260	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	50.0 to 80.0	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 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

