

Lumiloy® GN2258FH

Polyphenylene Ether + PS

LG Chem Ltd.

Message:

Injection Molding Grade, Flame Retardent mPPO

Description

High Strength & Modulus, GF Reinforced

Application

Electric and Electronic Parts

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Strength		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (280°C/5.0 kg)	33	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.00 mm	0.10 to 0.20	%	
Across Flow : 3.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	127	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	9.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	8040	MPa	ASTM D790
Flexural Strength ⁴ (Break, 3.20 mm)	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	78	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.20 mm)	390	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	108	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 110	°C	
Drying Time	4.0 to 5.0	hr	
Suggested Max Moisture	> 0.030	%	
Rear Temperature	250 to 270	°C	
Middle Temperature	250 to 280	°C	

Front Temperature	250 to 280	°C
Nozzle Temperature	250 to 280	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	50.0 to 110	°C

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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