

Lumid® GP2300BW

Polyamide 66

LG Chem Ltd.

Message:

- Description
- Injection grade
- Applications
- Electric parts

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Uses	Electrical components		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	172	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	2.8	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	8140	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	255	°C	ASTM D648
Peak Melting Temperature	260	°C	ASTM D3418
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
RTI Elec	120	°C	UL 746
RTI Imp	110	°C	UL 746
RTI	120	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	25	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 MHz)	4.00		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	HB		UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80 - 100	°C
Drying Time	4.0 - 5.0	hr
Rear Temperature	250 - 270	°C
Middle Temperature	260 - 285	°C
Front Temperature	260 - 290	°C
Nozzle Temperature	260 - 290	°C
Processing (Melt) Temp	260 - 290	°C
Mold Temperature	80 - 100	°C

NOTE

- | | |
|----|------------|
| 1. | 5.0 mm/min |
| 2. | 5.0 mm/min |
| 3. | 3.0 mm/min |
| 4. | 3.0 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

