

Lumid® SG2600B

Polyamide 6

LG Chem Ltd.

Message:

Lumid®SG2600B is a polyamide 6 (nylon 6) material, which contains a 60% glass fiber reinforced material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding. Lumid®The main characteristics of the SG2600B are: beautiful.

Lumid®The typical application fields of SG2600B are: automobile industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight		
Features	General		
	Excellent appearance		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	227	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	2.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	16100	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	314	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)	212	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	2.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+16	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
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	4.0 - 5.0	hr	
Rear Temperature	230 - 240	°C	

Middle Temperature	250 - 270	°C
Front Temperature	270 - 290	°C
Nozzle Temperature	250 - 270	°C
Processing (Melt) Temp	230 - 250	°C
Mold Temperature	80.0 - 110	°C
Back Pressure	29.4 - 58.8	MPa
Screw Speed	30 - 60	rpm

Injection instructions

Minimum Moisture Content: 0.09%

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

