

Lumid® GP2150A(W)

Polyamide 6

LG Chem Ltd.

Message:

Lumid® GP2150A(W) is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Typical application of Lumid® GP2150A(W): Tanks

General Information			
UL YellowCard	E67171-102080608		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	General Purpose		
Uses	Tanks		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C, 3.20 mm)	0.60 to 1.0	%	ASTM D955
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)	124	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	5000	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	201	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	20	kV/mm	ASTM D149
Arc Resistance	150	sec	ASTM D495
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	235 to 255	°C	
Middle Temperature	240 to 270	°C	
Front Temperature	240 to 270	°C	
Nozzle Temperature	250 to 280	°C	

Processing (Melt) Temp	250 to 280	°C
Mold Temperature	80.0 to 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

