

Lumid® GP2130AE

Polyamide 6
LG Chem Ltd.

Message:

- Description
- General Purpose
- Applications
- Industrial Material

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Features	General Purpose		
Uses	Industrial Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C, 3.20 mm)	0.60	%	ASTM D955
Water Absorption (Equilibrium)	0.090	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	113	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	8.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4410	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	195	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
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
Dielectric Constant (23°C, 1 MHz)	3.80		ASTM D150
Arc Resistance ⁵	160	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.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min
5.	23°C

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