

Lupol® GP2200

Polypropylene

LG Chem Ltd.

Message:

Description: General Purpose

Application: Electrical & Electronic, Automotive Parts

General Information			
UL YellowCard	E248280-322195	E302314-530063	E67171-248652
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	General Purpose		
Uses	Automotive Applications		
	Automotive Exterior Parts		
	Automotive Interior Parts		
	Electrical Parts		
	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	73.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	< 10	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	3430	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁵ (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	150	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	190 to 210	°C	
Middle Temperature	200 to 230	°C	

Front Temperature	200 to 230	°C
Nozzle Temperature	210 to 230	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 5.0 mm/min
2. 5.0 mm/min
3. 1.3 mm/min
4. 1.3 mm/min
5. 6.4 mm Notch Depth

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