Lupol® GP2300

Polypropylene

LG Chem Ltd.

Message:

Lupol® GP2300 is a Polypropylene material filled with 30% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.
Typical applications include:
Automotive
Electrical/Electronic Applications

General Information			
UL YellowCard	E248280-322198	E302314-530061	E67171-248654
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
Uses	Automotive Applications Electrical/Electronic Applications General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.14	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm)	85.3	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	6.0	%	ASTM D638
Flexural Modulus [3] (6.40 mm)	5490	MPa	ASTM D790
Flexural Strength [4] (6.40 mm)	118	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	98	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	155	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Minimum Moisture Content	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

Recommended distributors for this material

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