

Lupos® GP2100

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

- Description
- General Purpose
- Applications
- Electric & Electronic (Housing, Components)

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	General Purpose		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3730	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	108	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)	97.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	

Minimum Moisture Content	0.020	%
Rear Temperature	220 to 235	°C
Middle Temperature	220 to 240	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	230 to 245	°C
Processing (Melt) Temp	235 to 245	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.981 to 3.92	MPa
Screw Speed	40 to 80	rpm

NOTE

- | | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 10 mm/min |
| 4. | 10 mm/min |

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