

Lupos® GP2200

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

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

General Information			
UL YellowCard	E248280-322208	E302314-530178	E67171-248378
	E67171-301076		
Features	General Purpose		
Uses	Electrical Housing		
	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	83.4	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	4900	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	98.0	°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	

Suggested Max Moisture	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.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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