

Lupos® GP2206F

Acrylonitrile Butadiene Styrene

LG Chem Ltd.

Message:

Description

Flame Retardant

Application

Electric & Electronic (Housing, Components)

General Information			
UL YellowCard	E302314-530177	E67171-248380	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	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)	0.20 to 0.30	%	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)	88.3	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	4.0	%	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, 6.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 6.40 mm)	103	°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)	V-0		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.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min
5.	18.6kg

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