

Lupoy® GP2200

Polycarbonate

LG Chem Ltd.

Message:

Applications

CD-Rom base up_down, printer frame etc.

Description

LUPOY GP-2200 is a 20% glass reinforced pc, which exhibits higher heat resistance, and dimensional stability.

General Information			
UL YellowCard	E302314-530028	E67171-248612	E248280-322192
	E353371-101107247		
Filler / Reinforcement	Glass Fiber, 20% Filler by Weight		
Features	Good Dimensional Stability		
	High Heat Resistance		
Uses	Printer Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	113	MPa	ASTM D638
Tensile Elongation ² (Break)	6.0	%	ASTM D638
Flexural Modulus ³	5880	MPa	ASTM D790
Flexural Strength ⁴ (Yield)	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	147	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	270 to 300	°C	
Middle Temperature	280 to 310	°C	

Front Temperature	280 to 310	°C
Nozzle Temperature	280 to 310	°C
Processing (Melt) Temp	280 to 310	°C
Mold Temperature	70.0 to 90.0	°C
Screw Speed	40 to 70	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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