

HOPELEX PCG-2105

Polycarbonate

Lotte Chemical Corporation

Message:

10% glass-fiber reinforced, easy mold release

Non-brominated, non-chlorinated flame retardant

Optimum combination of high modulus and impact strength

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Mold Release		
	High Impact Resistance		
	High Stiffness		
Uses	Electrical Housing		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	83.4	MPa	ASTM D638
Flexural Modulus ²	3430	MPa	ASTM D790
Flexural Strength ³ (Yield)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
3.00 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.020	%
Suggested Max Re grind	20	%
Hopper Temperature	60.0 to 80.0	°C
Rear Temperature	300 to 320	°C
Middle Temperature	290 to 310	°C
Front Temperature	280 to 300	°C
Nozzle Temperature	290 to 310	°C
Processing (Melt) Temp	300 to 320	°C
Mold Temperature	80.0 to 110	°C

NOTE

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

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