

HOPELEX PCG-2305

Polycarbonate

Lotte Chemical Corporation

Message:

30% 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,30% 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	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.25	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	137	MPa	ASTM D638
Flexural Modulus ²	7260	MPa	ASTM D790
Flexural Strength ³ (Yield)	196	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	141	°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 Regrind	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

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

