

KumhoSunny PC HCG2530HG

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HCG2530HG is 30%GF PC resin. It has high flow, high rigidity, high stability and high gloss. HCG2530HG is mainly used in mobile phone housing, electron & electric parts,etc.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Stability		
	High Flow		
	High Gloss		
	High Rigidity		
Uses	Cell Phones		
	Electrical Parts		
	Electrical/Electronic Applications		
	Housings		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Tensile Elongation (Break)	1.2	%	ASTM D638
Flexural Modulus	8500	MPa	ASTM D790
Flexural Strength	160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 110	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	250 to 270	°C
Middle Temperature	260 to 280	°C
Front Temperature	280 to 300	°C
Nozzle Temperature	280 to 290	°C
Processing (Melt) Temp	270 to 315	°C
Mold Temperature	60.0 to 100	°C
Back Pressure	0.300 to 1.00	MPa
Screw Speed	20 to 100	rpm

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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

