

# KumhoSunny PC HCG2530

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HCG2530 is 30%GF PC resin. It has high rigidity and super shape resistance property. HCG2530 is mainly used in pump housing, automobile parts, etc

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Rigidity		
Uses	Automotive Applications		
	Housings		
	Pump Parts		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	125	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	8000	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	147	°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	100 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	280 to 290	°C	
Middle Temperature	290 to 300	°C	

Front Temperature	300 to 310	°C
Nozzle Temperature	290 to 300	°C
Processing (Melt) Temp	240 to 300	°C
Mold Temperature	60.0 to 100	°C
Back Pressure	0.200 to 0.800	MPa
Screw Speed	20 to 80	rpm

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Recommended distributors for this material

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