

# KumhoSunny PC HCG2520FR

Polycarbonate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HCG2520FR is 20%GF flame retardant PC resin. It has high rigidity and super shape resistance property. HCG2520FR is mainly used in electron & electric parts, etc.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
	High Rigidity		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	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	85.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	145	°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)	V-0		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	270 to 280	°C	

Middle Temperature	280 to 290	°C
Front Temperature	290 to 300	°C
Nozzle Temperature	280 to 290	°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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