

**HCG2510MP**

PC-GF10

Shanghai Kumho Sunny Plastics Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>20</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>59</b>	MPa	ASTM D 638
Elongation at Break	<b>9</b>	%	ASTM D 638
Flexural Modulus	<b>3250</b>	MPa	ASTM D 790
Flexural Strength	<b>98</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>140</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>135</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E15</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1250</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>100 - 120</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>290 - 300</b>	°C	-
Mold temperature	<b>100 - 140</b>	°C	-
Zone 1	<b>250 - 270</b>	°C	-
Zone 2	<b>260 - 280</b>	°C	-
Zone 3	<b>280 - 300</b>	°C	-
Nozzle temperature	<b>280 - 290</b>	°C	-
Screw speed	<b>20 - 100</b>	rpm	-
Back pressure	<b>0.3 - 1</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

Electrical and Electrical