

HCG2510

PC-GF10

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	75	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	3500	MPa	ASTM D 790
Flexural Strength	110	MPa	ASTM D 790
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	142	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 300	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	270 - 280	°C	-
Zone 2	280 - 290	°C	-
Zone 3	290 - 300	°C	-
Nozzle temperature	280 - 290	°C	-
Screw speed	20 - 80	rpm	-
Back pressure	0.2 - 0.8	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

Electrical and Electronical