

**HCB9230M**

(PC+PBT)

Shanghai Kumho Sunny Plastics Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	250	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	48	MPa	ISO 527
Flexural modulus, 23°C	1900	MPa	ISO 178
Flexural strength	65	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	63	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	35	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	55	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Strength	50	MPa	ASTM D 638
Elongation at Break	140	%	ASTM D 638
Flexural Modulus	1900	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Izod Impact notched, 1/8 in	850	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	92	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	90	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	1160	kg/m <sup>3</sup>	ISO 1183
Density	1160	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	245 - 265	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	230 - 260	°C	-
Zone 2	240 - 270	°C	-
Zone 3	240 - 270	°C	-
Nozzle temperature	245 - 265	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	0.3 - 1	MPa	-

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### Characteristics

#### Processing

Injection Molding

#### Applications

Automotive, Electrical and Electronical

#### Special Characteristics

Heat stabilized or stable to heat

#### Regional Availability

Asia Pacific

#### Chemical Resistance

General Chemical Resistance