

**HAC8240**

(PC+ABS)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	52	MPa	ISO 527
Flexural modulus, 23°C	2000	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	52	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	32	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, B	112	°C	ISO 306

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

Other properties	Value	Unit	Test Standard
Density	1110	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 260	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	210 - 230	°C	-
Zone 2	240 - 250	°C	-
Zone 3	250 - 260	°C	-
Nozzle temperature	240 - 250	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	0.3 - 1	MPa	-

**Characteristics****Special Characteristics**

High impact or impact modified

**Regional Availability**

Asia Pacific

**Applications**

Automotive, Medical