

**HAP8720G**

(PA66+PPE)-GX20

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	35	g/10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	100	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	5000	MPa	ISO 178
Flexural strength	160	MPa	ISO 178
Charpy impact strength, +23°C	97.3	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	6.4	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8.1	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	16.6	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	96.2	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	15.8	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	7.2	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	156	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	226	°C	ISO 75-1/-2
Vicat softening temperature, B	230	°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	1210	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	99 - 105	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	285 - 305	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	270 - 300	°C	-
Zone 2	275 - 305	°C	-
Zone 3	280 - 305	°C	-
Nozzle temperature	285 - 305	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	1 - 5	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific