

**HAG7220**

ABS-GF20

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>90</b>	MPa	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Flexural Modulus	<b>5600</b>	MPa	ASTM D 790
Flexural Strength	<b>120</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>105</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>100</b>	°C	ASTM D 648
Vicat Temperature	<b>116</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>200 - 230</b>	°C	-
Mold temperature	<b>50 - 80</b>	°C	-
Zone 1	<b>200 - 220</b>	°C	-
Zone 2	<b>210 - 230</b>	°C	-
Zone 3	<b>210 - 230</b>	°C	-
Nozzle temperature	<b>220 - 240</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

Automotive