

HAG5220FR

ABS-GF20

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	80	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	5500	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	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	98	°C	ASTM D 648
Vicat Temperature	112	°C	ASTM D 1525

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	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Melt temperature	210 - 230	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	210 - 220	°C	-
Zone 2	220 - 230	°C	-
Zone 3	220 - 230	°C	-
Nozzle temperature	220 - 240	°C	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific