

HFA705G

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	45	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	40	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	55	MPa	ASTM D 790
Izod Impact notched, 1/8 in	200	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	90	°C	ASTM D 648
Vicat Temperature	80	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1180	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	200 - 220	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	165 - 175	°C	-
Zone 2	185 - 195	°C	-
Zone 3	200 - 210	°C	-
Nozzle temperature	195 - 205	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	1 - 5	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

High Gloss

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

Asia Pacific