

HBG5730FR

(PBT+ABS)-X

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	120	MPa	ASTM D 638
Elongation at Break	3.5	%	ASTM D 638
Flexural Modulus	9500	MPa	ASTM D 790
Flexural Strength	190	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	160	°C	ASTM D 648

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	1500	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	230 - 265	°C	-
Mold temperature	50 - 80	°C	-

Characteristics**Processing**

Injection Molding

Chemical Resistance

General Chemical Resistance

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific