

PBT3710FG-NH

PBT-GF10

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	85	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	4000	MPa	ASTM D 790
Flexural Strength	130	MPa	ASTM D 790
Izod Impact notched, 1/8 in	70	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 @ 66 psi	200	°C	ASTM D 648
DTUL @ 264 psi	180	°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	1410	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	220 - 260	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	220 - 240	°C	-
Zone 2	230 - 250	°C	-
Zone 3	240 - 260	°C	-
Nozzle temperature	240 - 260	°C	-
Screw speed	60 - 90	rpm	-
Back pressure	240 - 260	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

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

Applications

Electrical and Electronical

Regional Availability

Asia Pacific