

**Properties Data Sheet**

Description	PA6+40GF		Grade	BG8TBK	
Test standards	ISO ASTM	UL ASTM	IEC ASTM	handling	Environment
				23 24h	23 50%RH
Properties	Unit	Test method	Test condition	Typical values	
Physical property					
Density	g/cm ³	ISO 1183			1.45
值 Filler content	%	ISO 1172			GF40
Mold shrinkage	%	ISO 294	Parallel		0.2
			Vertical		0.45
Mechanical property					
Tensile strength	MPa	ISO 527	I type sample 50mm/min		200
Elongation at break	%	ISO 527	I type sample 50mm/min Gauge length 50mm		3
Flexural strength	MPa	ISO 178	23 10mm/min		300
Flexural modulus	MPa	ISO 178	23 10mm/min		11000
Izod impact strength(notched)	KJ/m ²	ISO 180	23		15
Charpy impact strength unnotched	KJ/m ²	ISO 179	23		90
Thermal property					
Melting point		ISO 11357-1			220
HDT		ISO 75	0.45MPa		219
			1.8MPa		215
Flammability					
UL Flammability	Class	UL-94			HB
GWIT		IEC60695-2-13			-
Electrical property					
Surface resistivity		IEC60093			1.00E+14
Volume resistivity	cm	IEC60093			1.00E+15

Note The above data are typical , as reference only