

**Properties Data Sheet**

Description	PA6+50GF		Grade	BG10BK	
Test standards	ISO ASTM	UL IEC	handling	Environment	23 50%RH
Properties	Unit		Test method	Test condition	Typical values
<b>Physical property</b>					
Density	g/cm <sup>3</sup>		ISO 1183		1.56
值 Filler content	%		ISO 1172		GF50
Mold shrinkage	%		ISO 294	Parallel	0.15
				Vertical	0.45
<b>Mechanical property</b>					
Tensile strength	MPa		ISO 527	I type sample 50mm/min	210
Elongation at break	%		ISO 527	I type sample 50mm/min Gauge length 50mm	2.8
Flexural strength	MPa		ISO 178	23 10mm/min	315
Flexural modulus	MPa		ISO 178	23 10mm/min	13000
Izod impact strength(notched)	KJ/m <sup>2</sup>		ISO 180	23	17
Charpy impact strength unnotched	KJ/m <sup>2</sup>		ISO 179	23	90
<b>Thermal property</b>					
Melting point			ISO 11357-1		220