

**Properties Data Sheet**

Description	High toughened PA6		Grade	BH0	
Test standards	ISO ASTM	UL IEC	handling	23 24h	Environment 23 50%RH
Properties	Unit		Test method	Test condition	Typical values
Physical property					
Density	g/cm ³		ISO 1183		1.06
值 Filler content	%		ISO 1172		-
Mold shrinkage	%		ISO 294	Parallel	1.2
				Vertical	1.6
Mechanical property					
Tensile strength	MPa		ISO 527	I type sample 50mm/min	45
Elongation at break	%		ISO 527	I type sample 50mm/min Gauge length 50mm	50
Flexural strength	MPa		ISO 178	23 10mm/min	55
Flexural modulus	MPa		ISO 178	23 10mm/min	1750
Izod impact strength(notched)	KJ/m ²		ISO 180	23	58
Charpy impact strength unnotched	KJ/m ²		ISO 179	23	NB
Thermal property					
Melting point			ISO 11357-1		220
HDT			ISO 75	0.45MPa	120
				1.8MPa	50
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