

**Properties Data Sheet**

Description	Toughened PA6		Grade	BI0	
Test standards	ISO ASTM	UL ASTM	IEC ASTM	handling	Environment
Properties	Unit	Test method	Test condition	Typical values	
Physical property					
Density		g/cm ³	ISO 1183		1.08
值 Filler content		%	ISO 1172		-
Mold shrinkage		%	ISO 294	Parallel	1.1
				Vertical	1.5
Mechanical property					
Tensile strength		MPa	ISO 527	I type sample 50mm/min	55
Elongation at break		%	ISO 527	I type sample 50mm/min Gauge length 50mm	20
Flexural strength		MPa	ISO 178	23 10mm/min	65
Flexural modulus		MPa	ISO 178	23 10mm/min	1800
Izod impact strength(notched)		KJ/m ²	ISO 180	23	40
Charpy impact strength unnotched		KJ/m ²	ISO 179	23	NB
Thermal property					
Melting point			ISO 11357-1		220
HDT			ISO 75	0.45MPa	140
				1.8MPa	55
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