

## Kingfa UTPBT-HB Toughened PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

### Material Notes:

Features:High impactExcellent size stabilityEasy processingApplications:Injection moldingSwitch partsKeyboard keysE & E parts  
Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kingfa-UTPBT-HB-Toughened-PBT.php](http://www.lookpolymers.com/polymer_Kingfa-UTPBT-HB-Toughened-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.013 - 0.015 cm/cm	0.013 - 0.015 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength at Break	40.0 MPa	5800 psi	10mm/min; ASTM D638
Elongation at Break	60 %	60 %	10mm/min; ASTM D638
Flexural Strength	55.0 MPa	7980 psi	2mm/min; ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	2mm/min; ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 Å°C	302 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Å°C	131 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	HB	HB	
	@Thickness 1.50 - 1.65 mm	@Thickness 0.0591 - 0.0650 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	<= 270 Â°C	<= 518 Â°F	
Rear Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 230Â°C
Middle Barrel Temperature	235 - 255 Â°C	455 - 491 Â°F	Start Point: 245Â°C
Front Barrel Temperature	245 - 265 Â°C	473 - 509 Â°F	Start Point: 255Â°C
Melt Temperature	235 - 255 Â°C	455 - 491 Â°F	Start Point: 250Â°C
Mold Temperature	50.0 - 80.0 Â°C	122 - 176 Â°F	Start Point: 60Â°C
Drying Temperature	120 - 140 Â°C @Time 14400 - 21600 sec	248 - 284 Â°F @Time 4.00 - 6.00 hour	Pre-dry

Descriptive Properties	Value	Comments
Injection Speed	Moderate to High	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China