

## Kingfa PBT-T30 30% Mineral Filled PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Mineral Filled

### Material Notes:

Features:Excellent size stabilityLow tendency to warpLow abrasionGood surfaceApplications:Injection moldingApplication partsE & E partsInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kingfa-PBT-T30-30-Mineral-Filled-PBT.php](http://www.lookpolymers.com/polymer_Kingfa-PBT-T30-30-Mineral-Filled-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Water Absorption	0.060 %	0.060 %	ASTM D570
	@Temperature 23.0 Å°C, Time 86400 sec	@Temperature 73.4 Å°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength at Break	47.0 MPa	6820 psi	10mm/min; ASTM D638
Elongation at Break	8.0 %	8.0 %	10mm/min; ASTM D638
Flexural Strength	90.0 MPa	13100 psi	2mm/min; ASTM D790
Flexural Modulus	3.50 GPa	508 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 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)	205 Å°C	401 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	115 Å°C	239 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties Flammability, UL 94	HB Metric	HB English	Comments
	@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	<= 280 Â°C	<= 536 Â°F	
Rear Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 230Â°C
Middle Barrel Temperature	230 - 250 Â°C	446 - 482 Â°F	Start Point: 240Â°C
Front Barrel Temperature	240 - 260 Â°C	464 - 500 Â°F	Start Point: 250Â°C
Melt Temperature	240 - 260 Â°C	464 - 500 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 10800 - 18000 sec	248 - 284 Â°F @Time 3.00 - 5.00 hour	Pre-dry

Descriptive Properties	Value	Comments
Injection Speed	Moderate to High	
Mineral Content (%)	30	

## 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