

## E-Polymers TEKASTER® F100 low-mid viscosity PBT

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

### Material Notes:

Polyester Resin: TEKASTER is thermoplastic polyester resins (PBT, PET) mostly injection molding. PBT has excellent mechanical properties and well balanced engineering plastics with an electrical performance. Specially G/F reinforced PET has excellent heat resistance, a good surface, chemical resistance and high electrical performance. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-TEKASTER-F100-low-mid-viscosity-PBT.php](http://www.lookpolymers.com/polymer_E-Polymers-TEKASTER-F100-low-mid-viscosity-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	
Linear Mold Shrinkage, Transverse	0.030 cm/cm	0.030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	53.955 MPa	7825.5 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Flexural Strength	78.48 MPa	11380 psi	ASTM D790
Flexural Modulus	2.1582 GPa	313.02 ksi	ASTM D790
Izod Impact, Notched	0.343 J/cm	0.643 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	

**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