

## E-Polymers Tekaloy® T80G20 , 20% Glass Fiber Reinforced PBT/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy + GF , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

20% Glass Fiber reinforced Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-Tekaloy-T80G20-20-Glass-Fiber-Reinforced-PBTABS-Alloy.php](http://www.lookpolymers.com/polymer_E-Polymers-Tekaloy-T80G20-20-Glass-Fiber-Reinforced-PBTABS-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	97.0 MPa	14100 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	130 MPa	18900 psi	ASTM D790
Flexural Modulus	5.80 GPa	841 ksi	ASTM D790
Izod Impact, Notched	0.900 J/cm	1.69 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	162 °C	324 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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