

## E-Polymers Tekaloy® T80 , Dimensional Stability PBT/ABS Alloy

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

### Material Notes:

Dimensional Stability Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-Tekaloy-T80-Dimensional-Stability-PBTABS-Alloy.php](http://www.lookpolymers.com/polymer_E-Polymers-Tekaloy-T80-Dimensional-Stability-PBTABS-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Yield Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	210 - 250 °C	410 - 482 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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