

E-Polymers Tekaloy® T80FR , Flame Retardant Un-Reinforced PBT/ABS Alloy

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

Material Notes:

Flame Retardant Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-Tekaloy-T80FR-Flame-Retardant-Un-Reinforced-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Yield Strength	54.0 MPa	7830 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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