

E-Polymers TEKASTER® F101FR Un-Reinforced Flame Retardant PBT

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

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-F101FR-Un-Reinforced-Flame-Retardant-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 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	58.86 MPa	8537 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	103.01 MPa	14940 psi	ASTM D790
Flexural Modulus	2.7468 GPa	398.39 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)	168 °C	334 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °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	

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