

E-Polymers TEKASTER® F10G30FR 30% Glass Fiber Reinforced Flame Retardant PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

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-F10G30FR-30-Glass-Fiber-Reinforced-Flame-Retardant-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	125.6 MPa	18210 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	186.39 MPa	27034 psi	ASTM D790
Flexural Modulus	8.0442 GPa	1166.7 ksi	ASTM D790
Izod Impact, Notched	0.785 J/cm	1.47 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 270 °C	446 - 518 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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