

E-Polymers TEKASTER® F101M Unreinforced impact modified PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

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-F101M-Unreinforced-impact-modified-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 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	49.05 MPa	7114 psi	ASTM D638
Elongation at Break	>= 120 %	>= 120 %	ASTM D638
Flexural Strength	70.63 MPa	10240 psi	ASTM D790
Flexural Modulus	1.8639 GPa	270.34 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	153 °C	307 °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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