

E-Polymers TEKALLOY® S630XB Heat Resistance, Weatherability PC/PBT Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PC/ABS, PC/PBT, PC/PET: TEKALLOY is high performance polymer alloy resins (PC/ABS, PC/PBT, and PC/PET, etc) manufactured by E-Polymers. PC/ABS has excellent mechanical properties, high heat resistance, high impact strength, and dimensional stability. PC/PBT is usually used for automotive applications with good resistance against oils and solvents as well as high impact. PC/PET has an excellent surface and its high heat resistance allows it to be employed in housing for electrical appliances. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKALLOY-S630XB-Heat-Resistance-Weatherability-PCPBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	68.67 MPa	9960 psi	ASTM D638
Elongation at Break	90 %	90 %	ASTM D638
Flexural Strength	88.29 MPa	12810 psi	ASTM D790
Flexural Modulus	2.403 GPa	348.6 ksi	ASTM D790
Izod Impact, Notched	1.96 J/cm	3.67 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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