

E-Polymers TEKALLOY® G75NHT Brominated Flame Retardant High Impact PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

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-G75NHT-Brominated-Flame-Retardant-High-Impact-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	58.86 MPa	8537 psi	ASTM D638
Elongation at Break	>= 50 %	>= 50 %	ASTM D638
Flexural Strength	83.39 MPa	12090 psi	ASTM D790
Flexural Modulus	2.2563 GPa	327.25 ksi	ASTM D790
Izod Impact, Notched	6.86 J/cm	12.9 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
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
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	

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