

E-Polymers Tekaloy® G70NH Non-Halogen Flame Retardant, Un-Reinforced PC/ABS Alloy

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

Material Notes:

Non Halogen Flame Retardant, High Flow Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-Tekaloy-G70NH-Non-Halogen-Flame-Retardant-Un-Reinforced-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 250 °C	20 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength, Yield	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Yield Strength	88.0 MPa	12800 psi	ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	ASTM D790
Izod Impact, Notched	3.80 J/cm	7.12 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Processing Temperature	215 - 265 °C	419 - 509 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	

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