

E-Polymers Tekaloy® G70A4 Impact Resistance at Low Temperature PC/ABS Alloy

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

Material Notes:

Impact Resistance at Low Temperature Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-Tekaloy-G70A4-Impact-Resistance-at-Low-Temperature-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 250 °C	3.0 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Flexural Yield Strength	78.0 MPa	11300 psi	ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	ASTM D790
Izod Impact, Notched	6.50 J/cm	12.2 ft-lb/in	ASTM D256
	5.50 J/cm @Temperature -30.0 °C	10.3 ft-lb/in @Temperature -22.0 °F	ASTM D256

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

Processing Properties	Metric	English	Comments
Processing Temperature	220 - 290 °C	428 - 554 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	

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