

E-Polymers TEKAMID® HG10L 10% Glass Fiber Reinforced High Impact PA/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend, Glass Reinforced , Nylon

Material Notes:

Polyamide (Nylon) Resin. TEKAMID is widely being used in manufacturing of automotive and industrial parts with its outstanding mechanical, thermal and chemical properties.H-series: PA6/ABS, PA66/ABS alloy (Unreinforced, GF reinforced, MR reinforced)Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-HG10L-10-Glass-Fiber-Reinforced-High-Impact-PAABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	93.195 MPa	13517 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	112.82 MPa	16363 psi	ASTM D790
Flexural Modulus	4.6107 GPa	668.73 ksi	ASTM D790
Izod Impact, Notched	0.883 J/cm	1.65 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ASTM D648
Flammability, UL94	HB	HB	

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

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