

E-Polymers TEKAMID® H12T Unreinforced High Impact PA/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , 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-H12T-Unreinforced-High-Impact-PAABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Water Absorption	0.98 % @Time 86400 sec	0.98 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	61.803 MPa	8963.8 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Strength	98.1 MPa	14200 psi	ASTM D790
Flexural Modulus	2.1582 GPa	313.02 ksi	ASTM D790
Izod Impact, Notched	1.37 J/cm	2.57 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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