

E-Polymers TEKAMID® H12TW Unreinforced Low warpage 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-H12TW-Unreinforced-Low-warpage-PAABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Water Absorption	1.0 % @Time 86400 sec	1.0 % @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	63.765 MPa	9248.3 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	107.91 MPa	15651 psi	ASTM D790
Flexural Modulus	2.5506 GPa	369.93 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm	1.10 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
Melt Temperature	220 °C	428 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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