

**E-Polymers TEKAMID® H24WC High Toughness Heat Strength 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-H24WC-High-Toughness-Heat-Strength-PAABS-Alloy.php](http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-H24WC-High-Toughness-Heat-Strength-PAABS-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	1.0 %	1.0 %	
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	50.031 MPa	7256.4 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Strength	98.1 MPa	14200 psi	ASTM D790
Flexural Modulus	1.962 GPa	284.6 ksi	ASTM D790
Izod Impact, Notched	6.86 J/cm	12.9 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	255 °C	491 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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