

E-Polymers TEKAMID® HG20L 20% 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-HG20L-20-Glass-Fiber-Reinforced-High-Impact-PAABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	127.53 MPa	18497 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	145.19 MPa	21058 psi	ASTM D790
Flexural Modulus	6.0822 GPa	882.15 ksi	ASTM D790
Izod Impact, Notched	1.03 J/cm	1.93 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °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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