

E-Polymers TEKAMID® TB120G30 , 30% Glass Fiber Reinforced PA6, DAM

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

30% Glass Fiber Reinforced, Good impact resistance Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TB120G30-30-Glass-Fiber-Reinforced-PA6-DAM.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Water Absorption	1.1 %	1.1 %	23°C/24 hr; ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	170 MPa	24700 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	230 MPa	33400 psi	ASTM D790
Flexural Modulus	7.90 GPa	1150 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D2133
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	80.0 - 90.0 °C	176 - 194 °F	

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