

E-Polymers TEKAMID® TB120GM40 , 40% GF/MF Reinforced PA6, DAM

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:40% GF/MF reinforced, Good surface, Low warpage
Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TB120GM40-40-GFMF-Reinforced-PA6-DAM.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ASTM D792
Water Absorption	1.3 %	1.3 %	23°C/24 hr; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	120 MPa	17400 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	175 MPa	25400 psi	ASTM D790
Flexural Modulus	6.70 GPa	972 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 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)	215 °C	419 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	90.0 - 110 °C	194 - 230 °F	

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