

E-Polymers TEKAMID® TA250G15 , 15% Glass Fiber Reinforced PA66, DAM

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 20% Glass Fiber Filled

Material Notes:

15% Glass Fiber Reinforced, Good surface Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TA250G15-15-Glass-Fiber-Reinforced-PA66-DAM.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Water Absorption	0.90 %	0.90 %	23°C/24 hr; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D786
Tensile Strength, Yield	130 MPa	18900 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	5.60 GPa	812 ksi	ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D256
Izod Impact, Unnotched	60.0 J/cm @Thickness 3.20 mm	112 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 µm/m-°C @Temperature 20.0 °C	22.2 µin/in-°F @Temperature 68.0 °F	ASTM D696
Melting Point	260 °C	500 °F	ASTM D2133
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	225 °C	437 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	280 - 300 °C Metric	536 - 572 °F English	Comments
Mold Temperature	80.0 - 100 °C	176 - 212 °F	

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