

E-Polymers TEKAMID® TA250G60W , 62% Glass Fiber Reinforced PA66, DAM

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 60% Glass Fiber Filled

Material Notes:

High strength, weather resistance Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TA250G60W-62-Glass-Fiber-Reinforced-PA66-DAM.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	23°C/24 hr; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D786
Tensile Strength, Yield	210 MPa	30500 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	305 MPa	44200 psi	ASTM D790
Flexural Modulus	16.5 GPa	2390 ksi	ASTM D790
Izod Impact, Notched	1.70 J/cm	3.18 ft-lb/in	ASTM D256
Izod Impact, Unnotched	70.0 J/cm @Thickness 3.20 mm	131 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D2133
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Processing Temperature	260 - 280 °C	500 - 536 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	

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