

E-Polymers TEKAMID® JN1 PPE+PA66 Un-reinforced High flow Heat resistance PA/PPE Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Polyphenylene Ether/PPO

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. JN-series: PA66/PPE, PA6/PPE alloy (Unreinforced, GF reinforced, MF reinforced) Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-JN1-PPEPA66-Un-reinforced-High-flow-Heat-resistance-PAPPE-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Water Absorption	0.40 % @Time 86400 sec	0.40 % @Time 24.0 hour	
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	58.86 MPa	8537 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	95.16 MPa	13800 psi	ASTM D790
Flexural Modulus	2.2563 GPa	327.25 ksi	ASTM D790
Izod Impact, Notched	1.77 J/cm	3.31 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	185 °C	365 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

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