

E-Polymers TEKAMID® JN100 PPE+PA66 Filler Reinforced 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-JN100-PPEPA66-Filler-Reinforced-PAPPE-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	58.86 MPa	8537 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Strength	110.85 MPa	16077 psi	ASTM D790
Flexural Modulus	3.4335 GPa	497.99 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	179 °C	354 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 305 °C	536 - 581 °F	
Mold Temperature	75.0 - 120 °C	167 - 248 °F	

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