

E-Polymers TEKAMID® JN920 PPE+PA66 20% Glass Fiber Reinforced PA/PPE Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Polyphenylene Ether/PPO , Polyphenylene Ether, 20% Glass Filled

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-JN920-PPEPA66-20-Glass-Fiber-Reinforced-PAPPE-Alloy.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|---------------------------|---------------------------|-----------|
| Specific Gravity | 1.24 g/cc | 1.24 g/cc | ASTM D792 |
| Water Absorption | 0.50 % @Time 86400 sec | 0.50 % @Time 24.0 hour | |
| Linear Mold Shrinkage | 0.0040 - 0.0060 cm/cm | 0.0040 - 0.0060 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0060 - 0.0080 cm/cm | 0.0060 - 0.0080 in/in | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------|---------------|-----------|
| Tensile Strength | 122.6 MPa | 17790 psi | ASTM D638 |
| Elongation at Break | 8.0 % | 8.0 % | ASTM D638 |
| Flexural Strength | 194.24 MPa | 28172 psi | ASTM D790 |
| Flexural Modulus | 5.964 GPa | 865.1 ksi | ASTM D790 |
| Izod Impact, Notched | 0.785 J/cm | 1.47 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 254 °C | 489 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 232 °C | 450 °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 | |

Processing Properties

Metric

English

Comments

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