

## E-Polymers TEKAMID® JN2 PPE+PA66 Un-reinforced Chemical 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-JN2-PPEPA66-Un-reinforced-Chemical-resistance-PAPPE-Alloy.php](http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-JN2-PPEPA66-Un-reinforced-Chemical-resistance-PAPPE-Alloy.php)

| Physical Properties               | Metric                    | English                   | Comments  |
|-----------------------------------|---------------------------|---------------------------|-----------|
| Specific Gravity                  | 1.13 g/cc                 | 1.13 g/cc                 | ASTM D792 |
| Water Absorption                  | 0.50 %<br>@Time 86400 sec | 0.50 %<br>@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      | 66.708 MPa | 9675.2 psi    | ASTM D638 |
| Elongation at Break   | 50 %       | 50 %          | ASTM D638 |
| Flexural Strength     | 99.08 MPa  | 14370 psi     | ASTM D790 |
| Flexural Modulus      | 2.374 GPa  | 344.3 ksi     | ASTM D790 |
| Izod Impact, Notched  | 1.67 J/cm  | 3.12 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 204 °C | 399 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 125 °C | 257 °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 |          |

## **Contact Songhan Plastic Technology Co.,Ltd.**

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