

HiFill® TPX-HTN-02028 A

Polyamide
Techmer Engineered Solutions

Message:

HiFill® TPX-HTN-02028 A is a Polyamide product filled with 60% glass fiber. It can be processed by injection molding and is available in North America. Characteristics include:

- Flame Rated
- Heat Stabilizer
- High Strength

| General Information | | | |
|---------------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,60% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Heat Stabilized | | |
| | High Temperature Strength | | |
| Appearance | Colors Available | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.76 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.17 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 244 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.5 | % | ASTM D638 |
| Flexural Modulus | 19000 | MPa | ASTM D790 |
| Flexural Strength | 345 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 190 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 288 | °C | ASTM D648 |
| CLTE - Flow | 3.4E-5 | cm/cm/°C | ASTM D696 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 8.0E+15 | ohms · cm | ASTM D257 |
| Dielectric Strength ¹ | 22 | kV/mm | ASTM D149 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| NOTE | | | |
| 1. | Method A (Short-Time) | | |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

