

## Ensinger XP-133 Compression Molded PI Compound, 20% Carbon Fiber

Category : Polymer , Thermoplastic , Polyimide , Thermoplastic , Thermoplastic Polyimide , Carbon Fiber

### Material Notes:

The XP-130 is an amorphous high performance thermoplastic with high permanent temperature and creep resistance as well as excellent bearing and wear properties, excellent long term thermal stability and creep resistance. The XP 130 Series of Polyimide is a non-melting high temperature thermoplastic with high strength over a wide range of temperatures, good long term thermal stability, minimal thermal expansion and excellent wear resistance along with good chemical resistance. Applications: Thermal & electrical insulators Switch Parts Vacuum Seals Plug Parts Chip Carriers Hot glass gripper fingers Balls for control valves Housing Parts Welding Equipment Information provided by Ensinger Special Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ensinger-XP-133-Compression-Molded-PI-Compound-20-Carbon-Fiber.php](http://www.lookpolymers.com/polymer_Ensinger-XP-133-Compression-Molded-PI-Compound-20-Carbon-Fiber.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.44 g/cc | 0.0520 lb/in <sup>3</sup> | ASTM D792 |
| Filler Content      | 20 %      | 20 %                      |           |

| Mechanical Properties | Metric     | English      | Comments  |
|-----------------------|------------|--------------|-----------|
| Tensile Strength      | 36.5 MPa   | 5300 psi     | ASTM D638 |
| Elongation at Break   | 0.80 %     | 0.80 %       | ASTM D638 |
| Tensile Modulus       | 7.58 GPa   | 1100 ksi     | ASTM D638 |
| Flexural Strength     | 97.9 MPa   | 14200 psi    | ASTM D790 |
| Flexural Modulus      | 6.21 GPa   | 900 ksi      | ASTM D790 |
| Compressive Strength  | <= 194 MPa | <= 28200 psi | ASTM D695 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Black |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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