

## 571 1/4" Chopped Graphite Fibers



**Overview:** These precision chopped graphite fibers offer an economical alternative for localized reinforcement of high performance parts requiring optimal electrical conductivity, high strength and moduli. Excellent for reducing voids in difficult vacuum bagging applications. Spread filler in deep cavities or sharp edges of parts and be assured the pressure will squeeze out air.

Container sizes are as follows:  
 1 lb. (1/2 Gallon)  
 6 lbs. (Carton)

**Features & Benefits:**

- Good processability
- Compatible with our System 2000 Epoxy Resin
- Good translation of mechanical and electrical properties
- Easily mixed into a uniform preblend prior to compounding

**Typical Product Properties:**

**Pre-chop Properties:**

Typical Continuous Fiber Properties	Inch-Pound	SI
Tensile Strength	>500 ksi	>3450 MPa
Tensile Modulus	>30.0 Msi	>207 GPa
Ultimate Elongation	1.7%	1.7%
Density	0.065 lb/in <sup>3</sup>	1.8 g/cm <sup>3</sup>
Cross-Sectional Area/Filament	4.7 or 6.5 x 10 <sup>-8</sup> in <sup>2</sup>	3.3 or 4.2 x 10 <sup>-5</sup> mm <sup>2</sup>
Filament Shape	Round	Round
Filament Diameter	0.24 or 0.29 x 10 <sup>-3</sup>	6 or 7 μm
Electrical Resistivity		1670 μΩ-cm

\*Not for specifications purposes

**Mixing Directions:**

To mix, use 1 part #571 to 15 parts epoxy resin. This ratio may be adjusted as needed

**Storage:**

Storage in a dry warehouse is recommended. Open packages should be resealed to prevent contamination of the product or discarded.

**Safety & Handling:**

#571 1/4" Chopped Graphite Fibers contain ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. Individuals should wash with soap and water before eating, drinking, or using toilet facilities. Individuals should observe conditions of good industrial hygiene and safe working practice. For more detailed instructions on handling please see the MSDS sheet.