

# MINIFIBERS, INC.

## Technical Data Sheet

### CARBON FIBERS

#### 100% Reclaimed

Product Code Prefix: **CARCM-007KRH**

**General Description:** Carbon fiber is manufactured by pyrolysis of organic precursor fibers in an inert atmosphere at extremely high temperatures. The reclaimed carbon fibers offered by MiniFibers are made from 100% post-industrial waste which has been cut to specified lengths.

**Average Filament Size:** ~5-8 microns 6.6 7

**Standard Cut Lengths:** 1/4", 1/2", 1"  
(6mm, 12mm, 24mm)

**Tensile Strength:** 4275-5670 MPa

**Tensile Modulus:** 230-280 GPa

**Elongation:** 1.7-2.2%

**Specific Gravity:** ~1.8 g/cm<sup>3</sup>

**Performance Characteristics:** Provides dimensional stability in high heat applications. Provides electrical and thermal conductivity. High impact resistance and UV resistance. Excellent adhesion properties. Susceptible to galvanic corrosion; resists other corrosion.

**Effect of Heat:** Does not melt. Oxidizes very slowly in air at temperatures above 600°F / 315°C.

**Chemical Reactivity:** Excellent resistance to acids and alkalis. Strong oxidizers will degrade fiber. Inert to all known solvents. Poor resistance to hypochlorite.

**Packaging:** Standard packaging is corrugated boxes with polyethylene liners. Custom packaging available upon request.

The above information is provided to describe typical values and does not constitute a product specification. MiniFIBERS warrants that for each Product sold, such Product will meet the standard specifications provided for that Product and will be of a quality consistent with the standard specifications. This is the sole warranty given with respect to the Product, and is given expressly in lieu of any other warranties, expressed or implied, including without limitation any implied or general warranty of merchantability or of fitness for a particular purpose. It is expressly understood that any technical advice or assistance that may be provided by MiniFIBERS is rendered without compensation, and MiniFIBERS assumes no obligation or liability for such advice or assistance given, or for results obtained.