

# Technical Datasheet

## Recycled Milled Carbon Fibers

### DESCRIPTION

Recycled Milled Fibers are specifically processed PAN (polyacrylonitrile) based fibers for lower costs applications. All ZOLTEK™ milled products are free of any sizings. ZOLTEK's in-house milling system ensures product quality and traceability from raw material through finished product.



### APPLICATIONS

- Buoyancy
- RFI / EMI shielding of electronic devices
- Static dissipation
- Resin-rich surface reinforcement in composites
- Low-cost polyurethane friction compounds

### RECOMMENDED USE

Thermoplastic Compounding

MATERIAL OVERVIEW	SI	US
Carbon Content	92% minimum	
Electrical Resistivity	0.00155 ohm-cm	0.00061 ohm-in
Density	1.81 g/cc	0.065 lb/in <sup>3</sup>
Bulk Density (Packed)	350 g/L	21.8 lb/ft <sup>3</sup>
Fiber Diameter	7.2 μm	0.283 mils
Average Fiber Length	100 μm (MF150)	4 mils

### CERTIFICATION

Recycled Milled Carbon Fibers are manufactured in accordance with ZOLTEK's written and published data. A Certificate of Conformance is provided with each shipment.

### TYPICAL PACKAGING

Each pallet contains 27 boxes and has a net weight of 1,080 lb (490 kg).

Each box is 14.5" x 14.5" x 14.5" (36.8 cm x 36.8 cm x 36.8 cm) and contains 40 lb (18.1 kg) of recycled milled fiber in a polyethylene bag.

### SAFETY

Obtain, read, and understand the Material Safety Data Sheet (SDS) before use of this or any other ZOLTEK product.

