

Technical Datasheet

ZOLTEK™ PX Milled Carbon Fibers

DESCRIPTION

ZOLTEK PX35 Milled Fibers are specifically processed PAN (polyacrylonitrile) based fibers for lower costs applications. ZOLTEK PX30 MF High Purity Milled Fibers are 99+% pure carbon fibers derived from ZOLTEK's high temperature batch graphitization process. 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 friction compounds

MATERIAL OVERVIEW	PX 35		PX 30 MF/ME	
	SI	US	SI	US
Carbon Content	95%		99%	
Electrical Resistivity (Volume)	0.00155 ohm-cm	0.00061 ohm-in	0.0014 ohm-cm	0.00055 ohm-in
Linear Resistivity	0.0761 Ω/cm	0.02996 Ω/in	0.069 Ω/cm	0.02717 Ω/in
Density	1.81 g/cc	0.065 lb/in ³	1.75 g/cc	0.063 lb/in ³
Bulk Density	490 g/L	30.6 lb/ft ³	465 g/L (MF150) 350 g/L (MF200)	30.6 lb/ft ³ (MF150) 30.6 lb/ft ³ (MF200)
Fiber Diameter	7.2 μm	0.283 mils	7.2 μm	0.283 mils
Average Fiber Length	100 μm (MF150) 150 μm (MF200)	4 mils (MF150) 6 mils (MF200)	100 μm (MF150) 150 μm (MF200)	4 mils (MF150) 6 mils (MF200)
Filament Shape	Round			

The properties listed in this datasheet do not constitute any warranty or guarantee of values. This information should only be used for the purposes of material selection. Please contact us for more details.

CERTIFICATION

ZOLTEK PX35 & PX30 Milled Fibers are manufactured in accordance with ZOLTEK's written and published data. A Certificate of Conformance is provided with each shipment.

SAFETY

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

TYPICAL PACKAGING

ZOLTEK PX35: each pallet contains 45 boxes and has a net weight of 1,800 lb (816 kg).

ZOLTEK PX30: 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 milled fiber in a polyethylene bag.

