

# ZOLTEK™ PX35/PX30 MILLED CARBON FIBERS

## DESCRIPTION

ZOLTEK's PX35 Milled Fibers are specifically processed PAN (polyacrylonitrile) based fibers for lower cost applications. ZOLTEK PX30 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

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

MATERIAL OVERVIEW	PX35		PX30 MF/ME	
	SI	US	SI	US
Carbon Content	95%		≈ 99%	
Electrical Resistivity (Volume)	0.00155 ohm-cm	0.00061 ohm-in	0.0017 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 <sup>3</sup>	1.75 g/cc	0.063 lb/in <sup>3</sup>
Bulk Density	490 g/L	30.6 lb/ft <sup>3</sup>	465 g/L (MF150) 350 g/L (MF200)	30.6 lb/ft <sup>3</sup> (MF150) 30.6 lb/ft <sup>3</sup> (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.

## TYPICAL PACKAGING

- Each pallet contains 45 boxes and has a net weight of 900 kg (1,984 lb).
- Each box is 14.5" x 14.5" x 14.5" (36.8 cm x 36.8 cm x 36.8 cm) and contains 20 kg (44.1 lb) of milled fiber in a polyethylene bag.

## 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.

