

Flake-Type Chopped Carbon Fiber



DESCRIPTION

ZOLTEK PX35 Flake Type chopped fibers provide ready impregnation of thermoset resins, with the capability to mold complex shapes. The resultant carbon fiber/ resin matrix composites offer high strength-to-weight and stiffness-to-weight ratios. ZOLTEK PX35 Flake Type chopped fibers may also be used as a low-cost alternative in thermoplastic applications, whereby a small portion of the matrix-specific product can be replaced with chopped flake carbon fibers with negligible impact to composite properties.

APPLICATIONS

- Automotive
- Aerospace
- Chemical industry
- Construction
- Military
- Sporting goods

RECOMMENDED USE

Thermoset resins: Epoxy, Vinyl Ester, Unsaturated Polyester, and Phenolic.

MATERIAL OVERVIEW	SI	US
Sizing Content	1.5% by weight	
Moisture Content	0.50% maximum	
Unpacked Bulk Density (minimum)	350 g/L	22 lb/ft ³
Fiber Length (nominal)	3, 6, & 13 mm	0.125, 0.25, & 0.50 in

**Fiber properties generated using ASTM standard methods. Additional fiber lengths available with accepted purchase order.*

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 1,800 lb (816 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 lbs (18.1 kg) of chopped fiber in a polyethylene bag.
- Chopped fiber is also available in 500 lb (227 kg) super sacks.

CERTIFICATION

ZOLTEK PX35 Chopped Fiber is 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.

ZOLTEK™ PX35

