

Technical Datasheet

ZOLTEK™ PX30 Knit Fabric (KF07)

Low-Oxidation Knitted Carbon Fabric

DESCRIPTION

ZOLTEK PX30 Low-Oxidation Knitted Carbon Fabric is high modulus fiber fabric made from spun yarn. The fabric has a jersey knit construction, which will conform to multiple curvatures. Thermal oxidative and dimensional stabilities are attained during heat treatment. Applications of ZOLTEK PX30 Knitted Fabric include thermal protection systems, such as, heat shields, rocket nozzles, and carbon/carbon brakes.

MATERIAL OVERVIEW	SI	US
Construction	Single Knit Jersey	
Areal Weight	250 g/m ²	7.5 oz/yd ²
Thickness	1 mm	0.040 in
Standard Widths	51 cm	20 in
Roll Length (minimum)	14.63 m	16 yds
Density	1.75 g/cc	0.063 lb/in ³
Carbon Content	99%	
Oxidation Rate	1% per hour at 932 °F (500 °C)	

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

The fabric shall be wound on a 2" diameter core and sealed in a polyethylene bag. Core Support pads (12" x 12" x 3.43" diameter center hole) shall be placed on each end of the roll and the roll placed in a 12" x 12" x 25" double wall card board box for protection during handling, shipping, and storage.

CERTIFICATION

ZOLTEK PX30 Fabrics 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 (MSDS) before use of this or any other ZOLTEK product.

ZOLTEK™ PX30

