

ZOLTEK™ OX Knit and Satin Weave Fabrics

Oxidized/Stabilized PAN Fiber (OPAN)

DESCRIPTION

ZOLTEK OX satin weaves and circular knits are produced from 100% ZOLTEK OX yarn. These fabrics are characterized by high LOI%, excellent stretch, no melt-no drip and a soft hand for apparel applications.

Recommended use: Protective apparel, furniture & bedding



MATERIAL OVERVIEW	SATIN WEAVE - SW08		KNIT FABRIC - KF07	
	SI	US	SI	US
Areal Weight	471 g/m ²	13.9 oz/yd ²	424 g/m ²	12.5 oz/yd ²
Warp and Fill	126 x 126/10 cm	32 x 32/in	N/A	N/A
Width	129 cm	51 in	66 cm unslit	26 in
Roll Length	45 m	50 yds	35 m	39 yds
Thickness	1.2 mm	0.047 in	1.4 mm	0.055 in
Yarn Input	2/10 Worsted Count		2/10 Worsted Count	
Construction	8 Harness Satin		Single Knit Tubular	

FIBER PROPERTIES	
Density	1.36 g/cc min.
Diameter	12.5 μ
LOI	40%+
Color	Black
Resistivity	8x10 ⁸ ohms-cm

CHEMICAL COMPOSITION (%)	
Carbon Content	62
Nitrogen	21.5
Oxygen	12
Hydrogen	4.5
Sodium	< 0.1
Trace Metals	<0.01

CHEMICAL RESISTANCE	
Strong Acids	Good
Weak Acids	Excellent
Strong Bases	Poor
Weak Bases	Good
Organic Solvents	Excellent

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

ZOLTEK OX Satin Weave & Knit Fabrics are wound on cardboard tubes and sealed in plastic.

CERTIFICATION

ZOLTEK OX Satin Weave and Knit 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 (SDS) before use of this or any other ZOLTEK product.