

# ZOLTEK™ OX FABRICS - PLAIN WEAVE

## DESCRIPTION

ZOLTEK OX plain weave fabrics are produced from 100% 2-ply ZOLTEK OX yarn. These fabrics have high LOI%, good strength, can be laminated and have excellent cut and sew properties. Recommended uses include industrial flame and thermal insulation.



MATERIAL OVERVIEW	PLAIN WEAVE - PW03		PLAIN WEAVE - PW06	
	SI	US	SI	US
Areal Weight	190 g/m <sup>2</sup>	5.6 oz/yd <sup>2</sup>	359 g/m <sup>2</sup>	10.6 oz/yd <sup>2</sup>
Warp and Fill	142 x 142/10 cm	36 x 36/in	94.5 x 94.5/10 cm	24 x 24/in
Width	99 cm	39 in	129.5 cm	51 in
Roll Length	90 m	98 yds	45 m	50 yds
Thickness	0.43 mm	0.017 in	0.73 mm	0.029 in
Yarn Input	2/27 Worsted Count		2/10 Worsted Count	
Construction	Plain Weave			

FIBER PROPERTIES	
Density	1.36 g/cc min.
Diameter	12.5μ
LOI	40%+
Color	Black
Resistivity	8x10 <sup>8</sup> 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.

# ZOLTEK™ OX FABRICS - PLAIN WEAVE

## TYPICAL PACKAGING

ZOLTEK OX Plain Weave Fabrics are wound on cardboard tubes and sealed in plastic.

## CERTIFICATION

ZOLTEK OX Plain Weave 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.