



Technical Data Sheet & Laundry Instructions for Tech Wear's OFX-100 Fabric

Fabric weight: 2.3 oz per square yard.

Color selection: Scour White, Blue, Burgundy, Teal, and Black.

Meets normal FR requirements for polyester fabrics.

Fabric will not crock or bleed off onto other surfaces.

Fabric content: 87% texturized polyester and 13% Shakespeare Conductive Fibers, LLC Resistat™ fiber (Carbon-suffused monofilament nylon), knit in grid pattern.

Carbon suffused monofilament nylon is Shakespeare Resistat™ fiber is conductive at 10^4 and is non-flaking and non-sloughing.

Color fastness: No change 20 hours, slight change 40 hours.

Surface resistivity of fabric is 10^5 ohms per square with only slight deterioration noticed after 50 launderings. (To maximum of 10^7).

Static decay rate per 101C method 5000 volts to 500 in less than 0.1 second.

Fabric is light-weight, 40 denier with a unique construction which does not allow easy penetration of dust particles.

Finish is disperse-dyed heat set. Contains no softeners, hand builders, etc.

Glass transition rate: 450°F **Flash point:** 720°F.

Stretch recovery: Vertical - 27% stretch - 100% recovery
Horizontal - 48% stretch - 99% recovery

Steam shrinkage: 1.7% with 30 seconds live steam, 212°F, 30 seconds dwell.

Seams in all constructions are designed to maintain continuity of conductivity from panel to panel.

Static Control Performance: All Tech Wear garments made of OFX-100 fabric are warranted to meet the requirement of the [National ESD Association's STM 2.1-1997](#) and will maintain sleeve-to-sleeve continuity for a minimum of 2 years or 100 washes, whichever comes first.

Life Expectancy: Under normal wearing and recommended washing conditions, Tech Wear's exclusive OFX-100 material will maintain its usefulness and effectiveness for a minimum of 100 washings or two years, whichever comes first. Tech Wear warranties its products to be free of manufacturing defects. If you are not fully satisfied, [notify Tech Wear](#) immediately. Garments that have been laundered, dry cleaned, altered, marked, or silk-screened/embroidered cannot be returned.

Laundry Instructions:

Wash in cool or cold water with any commercially-available liquid detergent, hang dry or dry at 120°F or less. **DO NOT USE BLEACH OR FABRIC SOFTNER.** The carbon-suffused monofilament nylon is sensitive to heat and should not be exposed to laundering heat in excess of 120°F. Wash at 90°F (Maximum) and tumble dry at low heat or hang dry. This lightweight fabric will dry very quickly.

Available
Colors:



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Wilmington, NC

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