

Tech Wear OFX-100

TECHNICAL DATA:

- Fabric weight: 78.0 gsm / 2.3 oz per square yard.
- Colour selection: Blue, Black, Teal, White, Burgundy, High-Vis Orange and Yellow, and Military Digital Camouflage. Please inquire about custom colours.
- Meets normal FR requirements for polyester fabrics.
- Fabric will not crock or bleed off onto other surfaces.
- Fabric content 87% texturized polyester and 13% BASF Resistat™ fibre (Carbon-suffused monofilament nylon), knit in grid pattern.
- Resistat™ fibre typically at $10^4 \Omega$ and is non-flaking and non-sloughing.
- Colour fastness: No change 20 hours, slight change 40 hours.
- Surface resistivity of fabric is $10^5 \Omega$ per square with only slight deterioration noticed after 50 launderings; to maximum of $10^9 \Omega$.
- 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 that does not allow easy penetration of dust particles.
- Finish is disperse-dyed heat set. Contains no softeners, hand builders, etc.
- Glass transition rate: 232°C / 450°F, flash point 382°C / 720°F.
- Stretch: Vertical – 27% stretch – 100% recovery / Horizontal – 48% stretch – 99% recovery
- Steam shrinkage: 1.7% with 30 seconds live steam, 100°C / 212°F, and 30 seconds dwell.
- Seams in all constructions are designed to maximize conductivity from panel to panel.

OFX-100 is a light-weight knit fabric that is breathable, groundable and easily laundered. It was designed for use in areas where there is little abrasion, light soil, and little or no exposure to soldering and chemicals. The fabric is made from monofilament fibres; therefore there is no contamination from loose fibres working their way out of the fabric. The conductive grid pattern that is knit into the fabric is designed to give the best shielding and grounding performance available. Careful attention to quality control and years of experience has made Tech Wear the world leader in the static control garment industry.

APPLICATION:

A Tech Wear exclusive, the OFX-100 fabric is an excellent choice when a lightweight garment with superior grounding is a must. Capable of being grounded, this comfortable static control fabric is guaranteed to maintain optimal sleeve-to-sleeve continuity for a minimum of 100 washes or two years. The OFX-100 meets the requirement of IEC61340-5, ANSI/ESD STM 2.1-2013, Category 2 & 3 (with Cuffs) for a minimum of 100 washes or 2 years, ANSI/ESD S20.20 and FR requirements for polyester fabrics.

With the addition of elasticated conductive cuffs and grounding via a snap on the hip, the need for a wrist strap & tethering at the wrist is removed; enabling more freedom of movement around the work-surface.

STYLE SELECTION:

OFX-100 is available in the following garment styles:

- Dual Path
- Hallmark
- Sterling
- Traditional
- V-Neck
- Bespoke

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 warrants its products to be free of manufacturing defects. If you are not fully satisfied, notify Bondline Static Control Solutions immediately. Garments that have been laundered, dry cleaned, altered, marked, or silk-screened / embroidered cannot be returned.

Laundering Instructions:

- Wash in cold to 32°C / 90°F (Maximum) with any commercially available liquid detergent
- Hang dry or tumble dry at 49°C / 120°F or less. Carbon-suffused monofilament nylon is sensitive to excessive heat. This lightweight fabric will dry very quickly and we recommend hang-drying for maximum life.
- Do not use bleach
- Do not use fabric softener / conditioner
- Does not need ironing. If ironing is required, e.g. fixing a label, etc. maximum heat 149°C / 300°F

If you have any questions or wish to discuss anything, please let us know.

© Bondline Static Control Solutions Pty Ltd 2016

Copyright protects this document. Bondline Static Control Solutions Pty Ltd has no objection to this material being reproduced, but asserts its right to be recognised as author of the original material and the right to have the material unaltered.

Bondline Static Control Solutions Pty Ltd believes all the information in these pages including technical data to be reliable. However, Bondline Static Control Solutions Pty Ltd disclaims all responsibility and all liability (including, without limitation, liability in negligence) for all expenses, losses, damages and costs you might incur as a result of the use of this information.