

## Technical Data Sheet & Laundry Instructions for Tech Wear's IVX-400 Fabric

**Fabric weight:** 4 oz per square yard.

**Color selection:** White, Burgundy, Royal Blue, Green, NASA Blue, and Teal.

Meets normal FR requirements for polyester fabrics.

Fabric will not crock or bleed off onto other surfaces.

**Fabric content:** 93% texturized polyester and 7% 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.

**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 medium-weight, 70 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.

**Steam shrinkage:** 2% 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 IVX-400 fabric will meet the requirement of the National ESD Assn.'s STM 2.1-1997 STATIC CONTROL GARMENTS and will maintain sleeve-to-sleeve continuity for a minimum of 100 washes or 2 years.

**Laundry Instructions:** Cool or warm water wash, tumble dry low or hang dry. DO NOT BLEACH OR ADD FABRIC SOFTENERS. The carbon-suffused monofilament nylon is sensitive to heat and should not be exposed to laundering heat in excess of 160°F. Wash at 90°F (Maximum) and tumble dry at low heat or hang dry. This medium weight fabric will dry very quickly.

**Life Expectancy:** Under normal wearing and recommended washing conditions, Tech Wear's exclusive IVX-400 material will maintain its usefulness and effectiveness for a minimum of 100 washings or one year. Tech Wear warrants its products to be free of manufacturing defects. If you are not fully satisfied, [notify Tech Wear](#) immediately. Any garments that have been laundered, dry cleaned, altered, marked, or silk-screened/embroidered cannot be returned. To avoid pilling, do not expose ANY polyester knit fabrics to extremely abrasive conditions.

Available  
Colors:

