

SPECIFICATION

WTI 21-376 Blue Poly - Knit Lab Coats WTI 21-276 Blue Poly - Knit Short Smocks

WTI 21-379 White Poly - Knit Lab Coats WTI 21-279 White Poly - Knit Short Smocks

**Part Number 21-376 Blue Lab Coats
Part Number 21-276 Blue Short Smocks
Part Number 21-379 White Lab Coats
Part Number 21-279 White Short Smocks**

WTI 21-276, 21-376, 21-279 and 21-379 garments were developed specifically for the demands of the electronic and semiconductor assembly industries. They offer the best static control at a reasonable price along with unsurpassed comfort and service life. WTI garments are more cost effective than competitors' designs and readily accepted by workers.

MATERIAL:

85% Polyester, 12% Cotton and 3% Carbon suffused Nylon
Design: Diamond Grid
Weight: 90 g/m² (3 oz/yd²)
Air Permeability: 24 cc/cm²/sec (47 cfm/ft²)
Surface Resistance: 10⁵-10⁶Ω
Sleeve to sleeve resistance: 10⁶-10⁷Ω
Static Decay: (5000V to 50V): <0.2 seconds
Friction Charged Static Voltage: 0.05 – 0.10 KV

POCKET:

Three pockets. One left breast and two lower pockets.

COLOR:

Royal Blue with thin black diamond grids
White with thin black diamond grids

MARKINGS:

Sizes shall be marked with size (S, M, L, XL, 2XL, 3XL, 4XL) and embroidered logo inside collar.

COLLAR:

Collar shall be double thickness, unlined, flare collar, having a 1-1/2" finished width.

LABEL:

Each garment shall have a laundry proof label stitched to the inside back below the neck band. This label shall specify "WTI Logo" and the garment size.

CLOSURE:

Garment shall have all stainless steel snaps at front and sleeve (if knitted elastic cuffs not used)

THREAD:

Thread shall be V-30 Polyester Filament except at raglan sleeve joints and cuffs (if used).
Thread at raglan sleeve joints and cuffs shall be conductive type.

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SEAMS:

Seams and joinings shall be sewn with two needle serged and safety stitching, Federal Specification LSC-2, at sleeve, side and waist. Single row of stitching shall be limited to hems at wrist and ankle openings. Bartacks, consisting of at least 20 stitches, shall be placed at all stress points. Each original seam shall possess at least 85% of the breaking strength of the filling of the fabrics joined. Seams and joinings shall be finished flat, smooth and with minimum puckering or twisting of the joined fabric.

SLEEVES:

One or two piece set-in sleeves. Cuffs are to be hemmed with elastic or fitted with snaps (1 female; 2 male).

STITCHING:

All stitches shall be lock stitched or multi-thread chain stitch (type 301 or type 401 Federal Standard #751). The number of stitches shall be 8 to 12 per inch in accordance with good commercial practice. Each end of a row of stitches shall be back stitched a minimum of 1/4" for reinforcement.

WORKMANSHIP:

All garments are to be made in a workmanlike manner, to show no raw edges, defective stitching, or material in any part of the garment. All garments are to be inspected during manufacturing and at final trimming and packing.

STANDARDS:

Any of the following defects in the completed garment shall be cause for rejection:

- a. Garments not made in accordance with specifications and materials specified.
- b. Broken stitching threads, unsecured thread ends, long unclipped thread ends, defective stitching, drawn seams or raw edges.
- c. Objectionable soiled or dirty.
- d. Defective front closure.

| SIZE | X-Small | Small | Medium | Large | X-Large | 2X-Large | 3X-Large |
|---------------|---------|--------|--------|--------|---------|----------|----------|
| Shirt Size | 34 | 36-38 | 40-42 | 44-46 | 48-50 | 52-54 | 56-58 |
| Chest | 40 | 42-44 | 46-48 | 50-52 | 54-56 | 58-60 | 62-64 |
| Sleeve Length | 32 | 32½-33 | 33½-34 | 34½-35 | 35½-36 | 36½-37 | 37½-38 |