

ESD Cleanroom Frocks

Polyester Fabric with Knit Cuffs

High Performance Garments that Protects Against Airborne Contamination and Static Charges

Transforming Technologies ESD Cleanroom Frock is engineered to meet up to a Class 100 clean room demands for industries such as microelectronics, semi-conductors, disk drives, lasers, and other like industries. The Cleanroom Frocks are made with static dissipative fabric for eliminating static on the personnel in cleanrooms.

Superior workmanship and reliable panel-to-panel continuity makes the JLM6200 ESD Cleanroom Frock an excellent product to control contamination and static. The JLM6200 Series Garment maintains consistent continuity readings for up to 100 wash cycles.

The knee-length frocks protect the environment from the number one source of contamination found in cleanrooms - people. The frock features a military collar, ESD knit cuffs, and YKK zipper closure with adjustment snaps at the neck.

Meets or exceeds requirements of ANSI ESD-S20.20.

| Measurement | Description | XS | S | M | L | XL | 2XL | 3XL | 4XL | 5XL |
|---------------------|---|------|------|------|------|------|------|------|------|------|
| Chest | From armscye to armscye with zipper closed | 40 | 44 ½ | 46 ½ | 51 | 55 ½ | 59 | 64 ½ | 68 | 70 ½ |
| Back Length | From seam at the top center of the back to bottom hem | 42 ½ | 44 | 45 | 46 | 46 ½ | 47 | 47 | 49 | 49 |
| Sleeve Inseam | From armscye to end of sleeve edge of the knit cuff | 20 ½ | 21 | 22 | 22 ½ | 23 | 23 | 23 | 23 ¼ | 23 ¾ |
| Sleeve Out seam | From top center of back seam to end of sleeve edge of the knit cuff | 33 | 33 ½ | 35 ½ | 36 ½ | 38 | 39 | 39 | 40 | 40 |
| Neck Circumference | With garment open, measure from collar seam line | 16 ½ | 17 | 18 | 19 | 21 ½ | 22 ½ | 24 | 24 ¾ | 24 ¾ |
| Waist Circumference | 8" down from armscye seam around to same point | 39 | 44 | 47 | 50 | 55 | 58 ½ | 64 | 68 | 68 ½ |
| Sweep | Open garment lie flat | 42 | 48 | 51 | 53 ½ | 57 ½ | 62 | 65 | 70 | 70 ½ |

Applications:

Cleanroom frocks are garments to be worn in controlled environments such as cleanrooms where contamination is a concern. The frock is made to control static and does not generate a significant charge. The frock create a Faraday cage effect and shields ESD susceptible items from charges on workers' clothing.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



Full Length Lab Coats

Features

- Extremely Comfortable & Durable
- Reliable Panel-to-Panel Continuity Tested After 100 Washes
- ESD Safe Class 100 Cleanroom Frock
- Knit Cuff Sleeve Termination
- Surface Resistance: <math><10^7\Omega</math>
- Colors: Navy, White, Light Blue



The ESD Cleanroom frock features a military collar, ESD knit cuffs, and YKK zipper closure with adjustment snaps at the neck.



The ESD Cleanroom Frock exhibits excellent sleeve-to-sleeve resistance which eliminates the danger of a panel becoming an isolated conductor and creating an ESD threat.



Specifications:

| | | |
|---------------------|---|-------------------------------------|
| Meets: | ANSI/ESDS20.20 & ANSI/ESD STM2.1 | |
| Compatible: | Class 100 Cleanroom | |
| Material: | 99% Polyester Filament Yarn, 1% Carbon Filament Yarn | |
| Weave: | 2/Twill, 5mm Grid | |
| Weight: | 170g/y (122 g/m ²) +2% | |
| Width: | 60 inch (152cm) +2% | |
| Density: | Warp: 188 ends/inch (74 ends/cm) +5% | Weft: 94 ends/inch (37 ends/cm) +5% |
| Yarn Type: | Warp: Polyester 100D/36F; Weft: Polyester 100D/36F; | |
| Surface Resistance: | <10 ⁷ Ω | |
| Friction Charges: | Warp: 39V | Weft: 27V |
| Decay Time: | ±0.01 (42% RH, 21C)sec | |
| Air Permeability: | 4.0 c.c./cm ² /sec | |
| Tear Strength: | Warp: 2.5 kg | Weft: 1.9kg |
| Tensile Strength: | Warp: 63 kg | Weft: 70.6kg |
| Color Retention: | 4-5 grade | |
| Filtration: | 0.3µm (52%) | |
| Efficiency: | 0.5µm (57%) | |
| | 1.0µm (75%) | |
| | 5.0µm (78%) | |

Part Numbers:

| | |
|-----------|----------------------------------|
| JLM6201NB | Cleanroom Frock, Navy Blue, XS |
| JLM6202NB | Cleanroom Frock, Navy Blue, S |
| JLM6203NB | Cleanroom Frock, Navy Blue, M |
| JLM6204NB | Cleanroom Frock, Navy Blue, L |
| JLM6205NB | Cleanroom Frock, Navy Blue, XL |
| JLM6206NB | Cleanroom Frock, Navy Blue, 2XL |
| JLM6207NB | Cleanroom Frock, Navy Blue, 3XL |
| JLM6208NB | Cleanroom Frock, Navy Blue, 4XL |
| JLM6209NB | Cleanroom Frock, Navy Blue, 5XL |
| JLM6201WH | Cleanroom Frock, White, XS |
| JLM6202WH | Cleanroom Frock, White, S |
| JLM6203WH | Cleanroom Frock, White, M |
| JLM6204WH | Cleanroom Frock, White, L |
| JLM6205WH | Cleanroom Frock, White, XL |
| JLM6206WH | Cleanroom Frock, White, 2XL |
| JLM6207WH | Cleanroom Frock, White, 3XL |
| JLM6208WH | Cleanroom Frock, White, 4XL |
| JLM6209WH | Cleanroom Frock, White, 5XL |
| JLM6201LB | Cleanroom Frock, Light Blue, XS |
| JLM6202LB | Cleanroom Frock, Light Blue, S |
| JLM6203LB | Cleanroom Frock, Light Blue, M |
| JLM6204LB | Cleanroom Frock, Light Blue, L |
| JLM6205LB | Cleanroom Frock, Light Blue, XL |
| JLM6206LB | Cleanroom Frock, Light Blue, 2XL |
| JLM6207LB | Cleanroom Frock, Light Blue, 3XL |
| JLM6208LB | Cleanroom Frock, Light Blue, 4XL |
| JLM6209LB | Cleanroom Frock, Light Blue, 5XL |

About Transforming Technologies

Since 1998, Transforming Technologies has helped electronic manufacturing facilities to protect their products and processes from the many serious problems associated with static electricity.

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.

