

## 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 1000 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 1000 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 1000 Cleanroom	
Material:	99% Polyester Filament Yarn, 1% Carbon Filament Yarn	
Weave:	2/Twill, 5mm Grid	
Weight:	170g/y (122 g/m <sup>2</sup> ) +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 <sup>7</sup> Ω	
Friction Charges:	Warp: 39V	Weft: 27V
Decay Time:	±0.01 (42% RH, 21C)sec	
Air Permeability:	4.0 c.c./cm <sup>2</sup> /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.

