TRANSFORMING TECHNOLOGIES

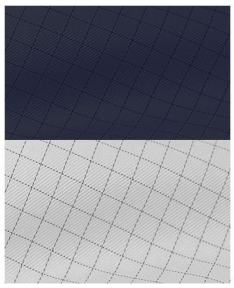
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

Apparel

REV: 2018-08-22

ESD Cleanroom Frocks

Polyester Fabric with Knit Cuffs



Full Length Lab Coats

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, laser, and similar industries. The Cleanroom Frocks are made with static dissipative fabric for eliminating static on the wearer in cleanrooms.

Superior workmanship and reliable panel-to-panel continuity makes the 6200 ESD Cleanroom Frock an excellent product to control contamination and static. The 6200 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 and the recommendations of ESD 4.1.

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: <10^6Ω**
- **Colors: Navy, White**

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.

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The ESD Ckeanroom 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:	98% Polyester, 2% Carbon Filament Yar	
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:	<10^6Ω	
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 Efficiency	0.3μm (52%) 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

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.

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