

PRODUCT DATA SHEET



ESD JUMPSUIT

Product Description

Washable ESD Jumpsuit is made of polyester

with conductive filament yarn. Designed for use in a cleanroom environment, the jumpsuit are comfortable while wearing. The jumpsuit are available in a wide range of sizes to meet customers' requirement. Washable ESD-Safe Jumpsuit is manufactured in stringent clean environment.

Features

- Made of polyester with conductive filament yarn
- Comfortable
- Straight line
- Available in sizes S through 3XL

Application

- ESD-sensitive production areas in most industries
- ESD-Safe sensitive lab areas

Specifications

Colour	White	
Material		
Fabric	98%Polyester + 2% conductive filament yarn	
Resistance Point to Point (Rpp) (ANSI/ESD STM 2.1 - 2018) Precondition time 48 hours		<u>Humidity 12 ± 3% with 23 ± 3°C</u> LS to LFP ≤ 1.0 x 10 ⁸ ohm LS to RFP ≤ 1.0 x 10 ⁸ ohm LS to LBP LS to RBP LS to RS
Test Location LS Left Sleeve RS Right Sleeve LFP Left Front Panel RFP Right Front Panel LBP Left Back Panel RBP Right Back Panel		<u>Humidity 50 ± 5% with 23 ± 3°C</u> LS to LFP ≤ 1.0 x 10 ⁸ ohm LS to RFP ≤ 1.0 x 10 ⁸ ohm LS to LBP ≤ 1.0 x 10 ⁸ ohm LS to RBP ≤ 1.0 x 10 ⁸ ohm LS to RS ≤ 1.0 x 10 ⁸ ohm

Technical Data Sheet

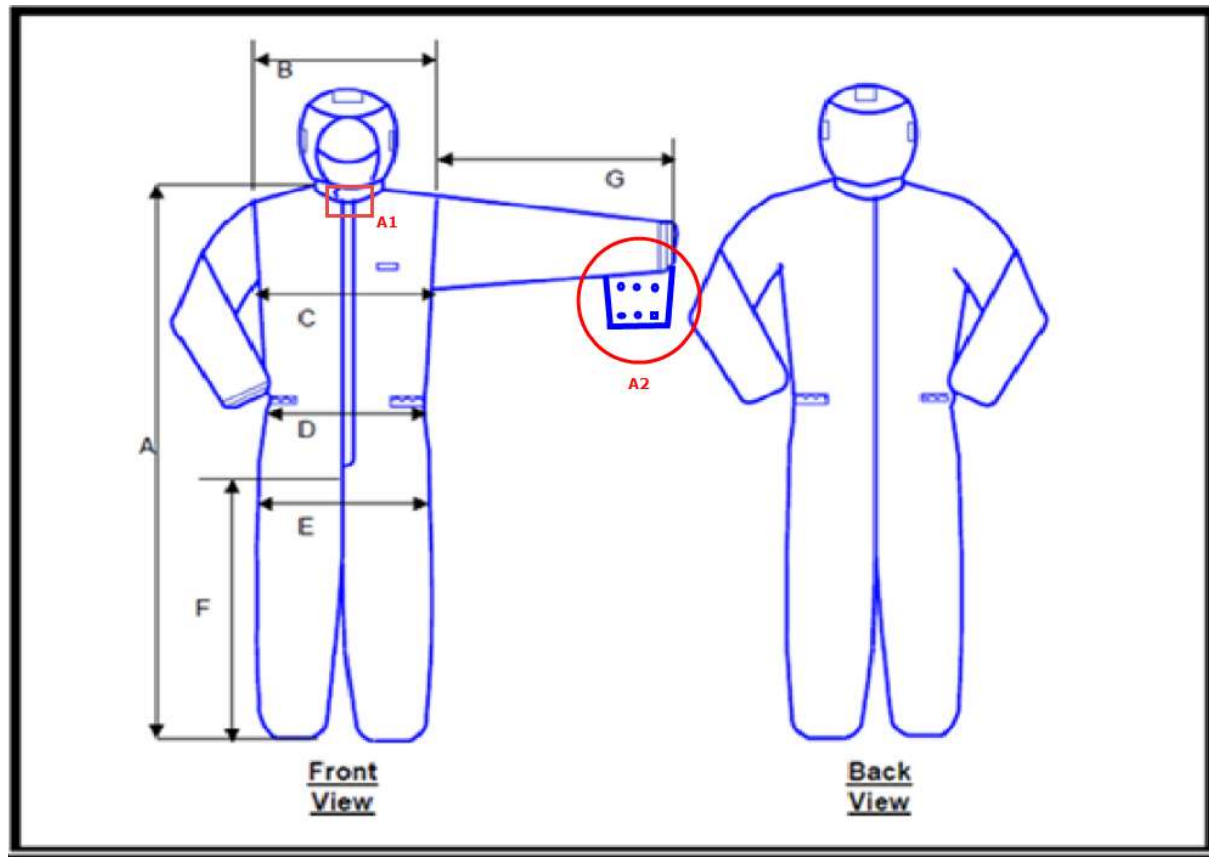
Clean-room Garments – ESD jumpsuit

Physical Properties:

Test	Warp	Weft	Unit	Test Method
Yarn	PFY 75D	PFY 100D	Denier	
ECF	F-901	5mm	BASF	
Density	193	92	Threads/Inch	
Weave	5mm Interval			
Dimension	58" / 60"		Inch x yd	
Weight	114		GR/SQMT	
Air Permeability	14.9		cfm/sq ft	ASTM D737-04(2008)e1 ⁴
Water Vapour Permeability	121		g/sqm/h	ASTM E96/E96M-05
Tensile Strength	990	700	N/mm	ISO 1393-2:1999 C.R.E Grab Method
Friction Static Voltage	50-64		Volts	KS K 0555:2005 Method B
Particle Filtration Efficiency - >0.5 µm	93-95		%	IEST-RP-CC0.003.3
Particle Filtration Efficiency - >5.0 µm	96-98		%	IEST-RP-CC0.003.3
Surface Resistivity	4.8 x 10e6		Ω/SQ	IEST-RP-CC0.005.2
Decay Half Life	0.01		s	KS K 0555:2005 A Method

* Neutralize wash water to a PH 7.0
 * Applicable for min 50 washes

Physical Properties



Dimensions (Unit: cm)						
Item	S	M	L	XL	XXL	XXXL
A	149	155	161	167	173	179
B	48	50	52	54	56	58
C	56	59	62	65	68	71
D	41 – 52.5	44 – 55	47 – 57.5	51 – 60	55 – 62.5	59 – 65
E	53	56	59	62	66	69
F	65	68	71	74	77	80
G	58	61	64	67	70	73

Dimensions (Unit: cm)			
Item	4XL	5XL	6XL
A	185	191	197
B	60	62	64
C	74	77	80
D	62 – 68	65 – 75	68 – 77
E	72	75	78
F	83	86	89
G	76	79	82