

Botron B7300 Technical Data Sheet



Overview:

Botron's ESD Smocks are designed to shield static generating garments from ESD sensitive materials. Since most normal clothing acts as an insulator and cannot be grounded wearing an ESD Smock is a vital precaution and step towards a complete ESD program. Botron's Smocks come with snaps on both the cuff and hip pockets for grounding. A 12% conductive fiber weave combined with reinforced seams gives Botron's ESD Smocks a superior panel to panel and sleeve to sleeve resistance.

FINAL TEST^{MR}

Venta de Instrumentos de Prueba y Medición

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Product Notes and Features

- Non-Static Generating Material
- 12% Conductive Fiber Weave
- 75+ Wash Durability

PROPERTIES

SPECIFICATIONS

Fabric Weight:	2.25oz
Fabric Content:	88% polyester 12% BASF conductive carbon fibers
Surface Resistivity:	5×10^5 - $< 10^8$
Sleeve to sleeve:	10^6 - 10^7
Panel to panel:	10^6 - 10^7
Static Decay:	5000 volts to 500volts 1seconds
Snaps:	at pockets and cuffs (adjustable)
Pockets:	3
Colors:	Blue
Washing:	Cool/Warm 120F max (NO bleach)
Durability:	75+ washing (nominal)
Size:	Sm, Md, Lg, XLg, 2X, 3X,
Denier:	40 light weight

STANDARDS

ANSI/ESD S 20.20, STM 2.1 and TR53



PART NUMBERS

B7300 Light Weight Jacket (XS)
B7300C Light Weight Jacket - w/Conductive Cuff (XS)
B7302 Light Weight Jacket (S)
B7302C Light Weight Jacket - w/Conductive Cuff (S)
B7303 Light Weight Jacket (M)
B7303C Light Weight Jacket - w/Conductive Cuff (M)
B7304 Light Weight Jacket (L)
B7304C Light Weight Jacket - w/Conductive Cuff (L)
B7305 Light Weight Jacket (XL)
B7305C Light Weight Jacket - w/Conductive Cuff (XL)
B7306 Light Weight Jacket (XXL)
B7306C Light Weight Jacket - w/Conductive Cuff (XXL)
B7307 Light Weight Jacket (XXXL)
B7307C Light Weight Jacket - w/Conductive Cuff (XXXL)
B7308 Light Weight Jacket (XXXXL)

SIZING CHART

SIZE	Sm	Med	Lg	XL	2XL	3XL
Length +/-1"	32.5"	32.5"	32.5"	32.5"	32.5"	32.5"
Chest +/-1"	40"	43"	48"	52"	56"	60"
Sleeve Length +/- 5"	30"	31"	32"	33"	34"	35"
Sleeve Opening +/- 5"	6"	6"	6.5"	6.5"	7"	7"
Upper Pocket +/- 5"	5.75" x 6.5"					
Lower Pocket	6.75" x 7.25"					

APPLICATIONS

ESD safe smock should be worn and properly grounded in all work environments where there is handling of static sensitive materials, components and devices.

GROUNDING

ESD safe smock should be worn in combination with a Botron ESD safe wriststrap (B9978). Smock should be worn buttoned all the way up. The wrist strap should be tightened all the way to the skin around the wrist and fastened to the cuff of the smock. Coil cord should be snapped to either hip pocket of smock and securely grounded to the grounding point.

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Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.
The statements herein shall have no force or effect.