

# Botron B7300 Technical Data Sheet



## Overview:

Botron offers smocks in, 3/4 length jackets and pullovers featuring our NEW Tuck-Strap design. Our ESD safe garments are made of 87% polyester/13% carbon and will shield your workers from charge generation. Most fabric will generate a charge when not protected with an ESD garment. Botron B7300 series is a lightweight smock fabric that provides a Faraday cage effect.

## Product Notes and Features

- 1) NEW Tuck-Strap
- 2) Snap Cuffs
- 3) Non-Static Generating Material

## PROPERTIES

## SPECIFICATIONS

Fabric Weight:	2.25oz - Made in USA
Fabric Content:	87% polyester 13% BASF conductive carbon fibers
Surface Resistivity:	$5 \times 10^5 - < 10^8$
Sleeve to sleeve:	$10^6 - 10^7$
Panel to panel:	$10^6 - 10^7$
Static Decay:	5000 volts to 500volts 1seconds
Snap:	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



Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**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.

	Chest	Length	BLUE w/snap cuffs	WHITE w/snap cuffs	BLUE w/cond cuffs	BLUE pullover
SM	34"- 36"	34"- 36"	<b>B7302</b>	<b>B7332</b>	<b>B7302C</b>	<b>B7352</b>
MD	38"- 40"	34"- 36"	<b>B7303</b>	<b>B7333</b>	<b>B7303C</b>	<b>B7353</b>
LG	42"- 44"	34"- 36"	<b>B7304</b>	<b>B7334</b>	<b>B7304C</b>	<b>B7354</b>
XL	46"- 48"	34"- 36"	<b>B7305</b>	<b>B7335</b>	<b>B7305C</b>	<b>B7355</b>
2X	50"- 52"	34"- 36"	<b>B7306</b>	<b>B7336</b>	<b>B7306C</b>	<b>B7356</b>
3X	54"- 56"	34"- 36"	<b>B7307*</b>	<b>B7337*</b>	<b>B7307C*</b>	<b>B7357*</b>
4X	58"- 60"	34"- 36"	<b>B7308*</b>	<b>B7338*</b>	<b>B7308C*</b>	<b>B7358*</b>

\*denotes custom ordered items

Cuffs



B7302C

Snaps



B7302

Pullover



B7352

Burgundy



B7373  
Custom  
Order

Black



B7323  
Custom  
Order

White



B7332



## APPLICATIONS

It should be noted that most cotton, polyester and linen clothing can act as insulators and although personal can be grounded by a wrist strap and/or footwear system it does not mean that their clothing will dissipate static charges through the skin. Botron recommends wearing a properly grounded ESD smock when handling static sensitive materials to reduce the chance of transferring static charge and damaging components.

## 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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