SPECIFICATION

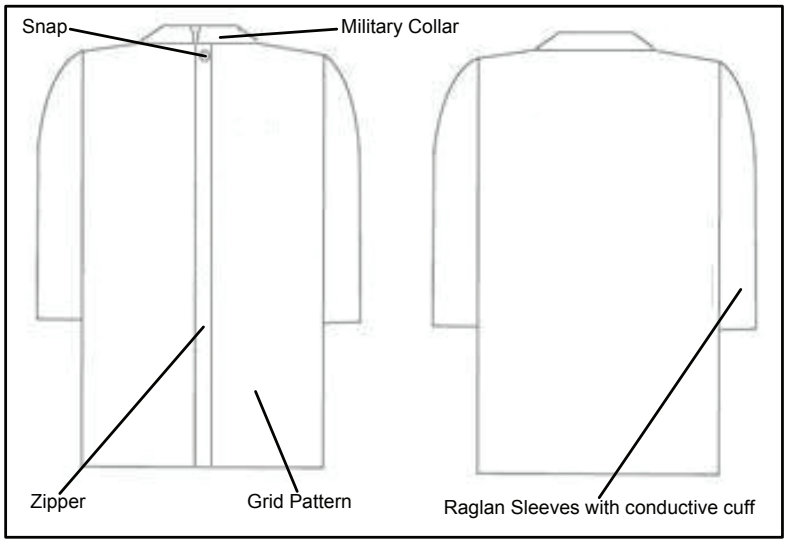
ESD Lab Coats and Jackets - AR-F10 SERIES

1. Function:

The AR-F10 is engineered to meet a Class 10 cleanroom's rigid demands for the microelectronics industry. The fabric is designed to guard the product against airborne particles, static dissipative charges, bacteria, and lint. It is made from a dense plain weave 99% multifilament polyester yarn with a micro-engineered carbon fiber inter-woven into a grid pattern.

2. Features:

- Material: 99% Polyester / 1% Carbon
- Style: 125-F10 (Raglan sleeves, Military collar, zipper at front opening with snap at top zipper, sleeves with conductive cuff, grid pattern.)
- Surface Resistivity: $10e^{5}$ to $10e^{6}$ Ohms
- Static Decay Rate: 5000 Volts to effective 0 volt in less than 0.01 seconds
- Stitching: Conductive Inner thread
- Weight: 2.92 Oz/sq. yd.
- Air Porosity: 3.7 CFM
- Color: White
- Sizes: X-Small to 2X (other sizes on request)



Wash Results	**1x**	**50x**	**100x**
Mean Pore Size Test Method: ASTM E 1294	20	18.7	20.5
Water Vapor Transmission Test Method: ASTM E 96-2000	6929	7100	6830
Surface Res. (Ohms/Unit2) Test Method: AATCC 76	$7.35x10e^{5}$	$1.20x10e^{6}$	$8.05x10e^{6}$
Static D. 5000 to 50Vs (Sec) Test Method: FTMS 4046101C	< 0.01	< 0.01	< 0.01
Air Porosity (ft3/min/ft2) Test Method: ASTM D 737	6.75	7.55	6.54
Tensile Strength (lbs) Test Method: ASTM D5034			
Warp:	200	190	187
Fill:	159	135	128

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