

Data sheet # GRP03E

**PEQ 901- 903
ESD COTTON COATS**

Static dissipative PEQ fabric meets EN 100015/1 and IEC 61340-5-1 standard requirements and prevents sensitive electronic components from being damaged by the accumulation of static charges on clothes and enables a fast and effective drainage to ground. Our Polyester-free special formulation, minimizes tribocharging effect giving the fabric a soft and light touch, which is very important during long working times. PEQ fabric may be repetitively washed at 86° (30°) degrees without affecting its ESD properties.

- Color White and light blue
- Composition 96% cotton with 4% conductive fiber
- Weft : threads per cm 23
- Warp: threads per cm 27
- Specific weight 135 gr/mq
- Surface resistance(mthd. IEC 1340-4-1) 5 x 10⁶ to 3 x 10⁷ Ohm (static dissipative)
- Washing Dry clean or water at 86°F(30°) with neutral cleaners
- Static decay time < 0.1 sec.

Surface Resistance and Decay Time characteristics will not be substantially degraded, with up to 50 standard washings.

FEATURES:

- Press buttons to close, and buttons on cuffs on women models
- 3 pockets on long sleeve models
- Standard ESD symbol color yellow / black on the high pocket
- Non standard sizes and custom colors on request

WOMAN CUTS	XS	S	M	L	XL	XXL
Total lenght cm.	102	107	112	117	122	125
Sleeve opening cm.	57	60	62	64	66	68
Sleeve lenght cm.	58	60	62	64	66	68
Chest cm.	98	106	114	122	130	138
Shoulders cm.	41	44	47	50	53	56

MAN CUTS	XS	S	M	L	XL	XXL
Total lenght cm.	95	99	103	107	111	115
Sleeve opening cm.	58	60	62	64	66	68
Sleeve lenght cm.	59	61	63	65	67	69
Chest cm.	108	116	124	132	140	148
Shoulders cm.	44	47	50	53	56	59
Wrist opening cm.	28	29	30	31	32	33

WASHING INSTRUCTIONS

Dry Cleaning (suggested) Use Perchloroethylene only. Light ironing permitted

Laundry Maximum water temperature should not exceed 86°F (30°C). Use only neutral cleaners.

Drying: Hang at room temperature; never use tumble dry machine. Light ironing permitted.

PEQ ESD SAFE COATS
ELME TEST (REFERENCE IEC 61340-5-1)
ON POINT TO POINT ELECTRICAL RESISTANCE

Subject	Resistance point-to-point
Conditions	Test made on a sample measuring the value of Resistance from the arm to the body
Sample	Elme PEQ ESD safe coat
Electrodes	Diameter > = 20 mm.
Voltage	from 100 to 500 V
Electrode weight	2,5 Kg.
Result	Resistance of 6×10^6 Ohms

NOTE: No significant variations with voltages from 100 to 500 V