

Electron

E S D F A B R I C



Ebruzen Textile is manufacturer of ESD Fabrics,
Fire Retardant Fabrics, ESD Workwears and
relevant Industrial Solutions

 **ebruzen**
Textile

ESD Fabrics

- Woven
- Knitted
- Cleanroom
- Silo
- Separator



Fire Reterdant Fabrics

- Woven
- Knitted

Upholstery Fabrics

- ESD Types
- FR Types

Industrial Solutions

- Medical Antimicrobial Fabrics
- Aluminize Coated Preox Fabrics
- Technical & Functional Fabrics



EN ISO 1149 STANDARD REQUIREMENTS FOR ESD FABRICS

Test Method	Description	Minimum Compliance Values
EN 1149-1	Electrostatic properties (surface resistivity)	Surface resistance is $\leq 2,5 \times 10^9$ ohm
EN 1149-2	Electrical resistance through a material, vertical resistance	Electrical resistance $> 10^5$ ohm
EN 1149-3	Electrostatic properties (inductive charge)	$t_{50} < 4$ s or $S > 0,2$ values
EN 1149-5	Performance requirements and material design.	$t_{50} < 4$ s or $S > 0,2$ values; or surface resistance is $\leq 2,5 \times 10^9$ ohm

EN ISO 11612 CERTIFICATION REQUIREMENTS FOR FIRE RETARDANT FABRICS

Test Method	Description	Minimum Compliance Values
ISO 17493	Test method for convective heat resistance using a hot air circulating oven	180°C
ISO 15025	Method of test for limited flame spread.	A1 or A2
ISO 9151	Determination of convective heat transmission on exposure to flame	B1
ISO 6942	Determination of heat transmission on exposure to a source of radiant heat	C1
ISO 12127-1	Determination of contact heat transmission through protective clothing	F1

ESD T-Shirt

Our T-Shirts are specifically designed for use in ESD protected areas. Our ESD textile products supplies modern, fashionable and comfortable ESD clothing. All these ESD garments meet the statutory European standards or international guidelines. These products conform to EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Collar options
- Pocket options
- Embroidery logo
- Printing logo
- Re-design for your corporate needs
- Different types of fabrics options



ESD Polo Shirts

These polo shirts are suitable for multiple work environments including those where electrostatic resistance is a requirement. It is antistatic, lightweight and extremely comfortable. These products conform to EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Collar options
- Pocket options
- Embroidery logo
- Printing logo
- Re-design for your corporate needs
- Different types of fabrics options



ESD Sweatshirts

These sweatshirts are suitable for multiple work environments including those where electrostatic resistance is a requirement for cold weather. It is antistatic, lightweight and extremely comfortable. These products conform to EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Collar options
- Pocket options
- Embroidery logo
- Printing logo
- Re-design for your corporate needs
- Different types of fabrics options



ESD Smock & Labcoats

ESD Smocks are ideal for use in multiple environments including those that require electrostatic protection. As well as being conductive these labcoats are lightweight, breathable and extremely comfortable so can be worn for long periods of time. These products conform to EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Collar options
- Pocket options
- Embroidery logo
- Printing logo
- Re-design for your corporate needs
- Different types of fabrics options



ESD Jackets

ESD Jackets are ideal for use in multiple environments including those that require electrostatic protection. As well as being conductive these jackets are extremely comfortable, fashionable and high quality so can be worn for long periods of time. These products conform to EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Pocket options
- Embroidery logo
- Printing logo
- Summer & winter options
- Re-design for your corporate needs
- Different types of fabrics options



ESD Trousers

ESD Trousers are ideal for use in multiple environments including those that require electrostatic protection. As well as being conductive these trousers are extremely comfortable, fashionable and high quality so can be worn for long periods of time. These products conform to

EN 1149-5 and EN 61340-5-1 standards.

Additional Options;

- Color options
- Pocket options
- Embroidery logo
- Printing logo
- Re-design for your corporate needs
- Different types of fabrics options



ESD Vests

ESD vests are ideal for use in multiple environments including those that require electrostatic protection. As well as being conductive these vests are extremely comfortable, fashionable and high quality so can be worn for long periods of time. These products conform to EN 1149-5 and EN 61340-5-1 standards. Our vest models make your work more easy.

- Color options
- Pocket options
- Embroidery logo
- Printing logo
- Summer & winter options
- Re-design for your corporate needs
- Different types of fabrics options



ROBOT COVERS

- Molten Metal Protection
- Water & Dust Protection



CLEANROOM

- Coverall
- Lab coat
- Hood
- Bonnet
- Boot
- Underwear
- Accessories





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