



## ESD garments – breathable – antistatic

### Objective:

ESD garments has to be antistatic to protect electronic parts against damage. It should also be breathable to yield a good wear comfort and not to interfere with the performance of the wearer.

### The test is particularly well-suited for:

ESD garments

### Description:

The electrostatic behaviour is measured according to EN 1149-3 (shielding factor and half-decay time) as well as E DIN EN 61340-4-9 (point-to-point resistance) with electrostatic test apparatus.

The breathability is measured via water vapour resistance with the thermoregulatory model of human skin (Skin Model) according to ISO 11092. Here water vapour resistance of the sample as material area is measured. Based on fundamental research the "breathability" of different materials can be judged absolutely as well as comparatively.

### Your advantages as a client:

- Objective measurement and quantification of "breathability"
- Safeness with regard to electrostatic behaviour of clothing
- Product optimization during development
- Consumer safety

### Labels and certificates:

If the item meets the requirements, Hohenstein's "Tested Quality" label for "ESD garments" can be used.

### Requirements for test samples:

#### General:

- The measurement is performed according to the requirements of the customer in new condition or after washing/cleaning/reprocessing.

#### Amount of material:

- 1 ready-made garment

#### Duration of testing:

- Dependent on the amount and nature of the material (usually 10 working days from receipt of test sample)

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