

# ESD Anti-static Characterization

The damages ESD may cause during production and service of different types of electronic components and equipment is a major concern for the electronics industry.

Still, every year the industry experience huge rates of damaged semi-conductor components and products, due to ESD protection problems, either during production, storage or transport.

Nemko offers laboratory testing and on-site services in order to characterize floor materials, footwear and garments. Furniture, work surfaces, etc.

## Test scope

- Resistive characterization of work surfaces
  - ANSI/ESD S4.1 : 2006
- Resistive characterization of floor materials
  - IEC 61340-4-1 : 2003
  - ANSI/ESD S7.1 : 2005
- Resistive characterization of seating
  - ANSI/ESD STM12.1 : 2013
- Resistive characterization of footwear
  - IEC 61340-4-2 : 2001
  - ANSI/ESD STM9.1 : 2006
- Surface resistance measurements
  - IEC 61340-2-3 : 2000
  - ANSI/ESD STM11.11 : 2006
- Garments resistivity
  - ANSI/ESD STM2.1 : 2013
- Evaluation of shielding materials (bags)
  - ANSI/ESD STM11.31 : 2012

## Related information

[IP - Ingress protection](#) [1]

[Vibration testing](#) [2]

[Climatic testing](#) [3]

[Mechanical stress](#) [4]

[Shock testing](#) [5]

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## Links

[1] <https://nemko.com/product-testing/reliability-testing/ingress-protection-ip>

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[4] <https://nemko.com/product-testing/reliability-testing/mechanical-stress>

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