

ANSI/ESD S11.4-2012

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ESD Association Standard

*For the Protection of Electrostatic
Discharge Susceptible Items*

Static Control Bags

*Electrostatic Discharge Association
7900 Turin Road, Bldg. 3
Rome, NY 13440*

*An American National Standard
Approved April 24, 2013*



*ESD Association Standard for the
Protection of Electrostatic Discharge
Susceptible Items -
Static Control Bags*

Approved September 2, 2012
ESD Association



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FOREWORD

Presently, no industry standard for static control bags exists. While the United States Department of Defense (DoD) specification MIL-PRF-81705 addresses military static control films, it is intended for use in specialized military methods of preservation, including exposure to high salt concentration, transfer at sea, rough handling, and minimal storage conditions. This military specification is for rolls of film only, and does not address bags. Only the few materials that have been tested and placed on the DoD qualified products list are considered compliant to MIL-PRF-81705. This military specification states: "There are no commercial equivalents that meet the physical, mechanical, and corrosion requirements..."

Since MIL-PRF-81705 is clearly designated for military applications, and requires film performance specifications that are not necessary for most electronics industry applications, an industry standard is needed.

This standard¹ is intended to establish performance limits for bags that protect electronics from static and moisture damage during common electronic industry manufacturing and packaging applications.

This standard was approved on September 2, 2012 and was designated ANSI/ESD S11.4-2012.

At the time ANSI/ESD S11.4-2012 was prepared, the 11.0 Packaging Subcommittee had the following members:

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¹ **ESD Association Standard (S):** A precise statement of a set of requirements to be satisfied by a material, product, system or process that also specifies the procedures for determining whether each of the requirements is satisfied.

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