

ELECTRO STATIC DISCHARGE

ESD Bags, Foam, Foil, Wrap and Boxes



What is Electrostatic Discharge?

Electro Static Discharge (ESD), is a serious issue that must be considered when packaging for the electronics industry.

ESD is the sudden flow of electricity caused by two electrically charged objects coming in contact with each other. Static electricity is a very common example of ESD.



ESD is discreet and invisible and can cause damage or operational disturbance in electrical components, especially solid state components like integrated circuits. Many electrical components, including computer chips, electronic assemblies and circuit boards, can be damaged beyond repair by electrical discharges.

Manufacturers of electronic components and assemblers of electronic systems must control static discharges in their processes through the use of an effective ESD program. If they fail to take the necessary measures to control static electricity many of the components or systems they produce will fail to work or will suffer a reduced operating life.

The most common prevention method is establishing an Electrostatic Protective Area (EPA). ESD prevention within an EPA should include using appropriate ESD-safe packing material.

There is a complete range of shielding, conductive, insulative and low charging dissipative products available on the market that provide the required protection.

Your packaging partner should work closely with you to develop the appropriate packaging solution in order to limit the harmful effects of ESD on valuable and sensitive products.

Benefits of Electro-Static Discharge (ESD) Products:

- Ensures your products arrive safely
- Removes concerns of operational disturbance
- Completely customizable
- Wide range of products to choose from

Common ESD Products Include:

- Bags
- Foams
- Foils
- Wraps
- Boxes

...and many other standard materials that you probably already use in your packaging solution

The Nefab Solution:

Over the years, Nefab has delivered solutions for many applications, often in combination with corrosion protection. A complete ESD control program, including products for the EPA, grounding products, and testing equipment is available upon request.

