ESD Protective Packaging

ESD safe trays are used for packaging, shipping, storage and during production of sensitive electronic components.

Protecting sensitive electronic components during shipping and production with ESD thermoformed trays insures the quality of these components at final assembly. Advantages of vacuum formed trays compared to injection molding are: low cost tooling, faster turn around, low quantities, large number of ESD materials.

The quality of ESD materials differs greatly from different suppliers. At Sohner Plastics we developed trusted suppliers over the years and we test every batch before and after thermoforming. The design of the tray is critical for the protection of the parts and we have extensive experience with many different parts. We developed specialized tooling for High Precision automation trays and we provide high quality trays for your components.

Common ESD Materials:

HIPS-ESD
High Impact Polystyrene
Carbon filled, permanent conductivity, $10^1$ to $10^4$ Ohm. Excellent for high precision trays for automation.
Available in Conductive and Dissipative, sheet thickness up to 12mm. Black or other colors.

PET-ESD
Polyethylene Terephthalate
ESD coating over PET substrate, surface resistivity of $10^4$ to $10^9$ Ohm. Ideal for disposable trays. Estimated shelf life after thermoforming at least 6 months.
Available thickness .010” to 0.045”, clear or other colors.

HMWPE-ESD
High Density Polyethylene
Available in dissipative or conductive. Sheet thickness up to 12mm.
Available in black or other colors.

ABS-TPU-ESD
Acrylonitrile Butadiene Styrene/Polyurethane
Available in dissipative and conductive. Sheet thickness up to 12mm. Shaving resistant for sharp edges parts.
Available in black or other colors.
**High Precision Automation Tray**
- For WIP and shipping
- Part with flexible ribbon cable and “no touch” area
- Holds 3 different parts
- Size 262mm x 352mm x 35mm
- Material: **HIPS** Conductive 10⁶ Ohm

**Dissipative Thin Gauge Tray**
- Trays stackable inside tote
- For WIP and shipping in Totes
- Size 236mm x 327mm x 17mm
- Material: **PET-ESD** Dissipative 10⁹ Ohm

**Tray with Dividers**
- Prevents Parts from Colliding
- For storage and shipping inside tote or box
- Size 330mm x 543mm x 77mm
- Material **HIPS** Conductive 10⁶ Ohm

**Precision Tray for Automation**
- For production and shipping
- Parts with many “no touch” surfaces
- Size 368mm x 394mm x 72mm
- Material: **HIPS** Conductive 10⁶ Ohm

**High Precision Automation Tray**
- For production and shipping
- Parts with many “no touch” surfaces
- Size 368mm x 394mm x 72mm
- Material: **HIPS** Conductive 10⁶ Ohm
- No tote or box needed

**Tray and Lid Thin Gauge**
- Expendable
- Completely enclosed for best part protection in shipping
- Shipping inside tote or box
- Size 330mm x 532mm x 79mm
- Material **PET-ESD** Dissipative 10⁹ Ohm

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Call Us Today: 734-222-4847  e-mail: sales@SohnerPlastics.com  •  www.SohnerPlastics.com