ELECTRO STATIC DISCHARGE PROTECTIVE PACKAGING
ESD Protective Packaging
Electro Static Discharge Packaging

What is Electro Static Discharge?
Electrostatic discharge (ESD) describes the transfer of electrical charge between two objects.

As a result of the increasing use of plastics and/or plastic-coated materials, problems arise through the loading and unloading of these insulating materials.

Electrostatic discharge (ESD) may occur between the charged surfaces and the grounded objects in the immediate vicinity. This can lead to undesired interference or damage of sensitive electronics in devices and sensors. The energy of a static discharge in a semiconductor behaves in its relationship to the earth, like the energy of a lightning bolt to a tree.

Protective Measures:
Protective measures have the goal of protecting electronic components and component groups from electrostatic loading as well as controlling the discharge of existing charge.

This can be achieved through the antistatic packing of SOHNER PLASTICS.

Who is Sohner Plastics?
We have been developing and producing packing for the automobile and electronics industries for over 35 years, and therefore have extensive experience in the production of antistatic packing. In close cooperation with our customers and material suppliers, innovative and trend-setting developments are implemented for the widest range of applications. For the military area, for example, we developed an antistatic ammunition case that was tested under extreme conditions. Another example is a highly-robust, antistatic collapsible container (1200 x 800 x 985 mm), which was developed for the transport of circuit boards. We used specially developed HDPE material for both applications.

Our product program includes conductive plastic and plastic corrugated sheets as well as the containers, inserts and separator elements, deep-drawn work in progress trays, blisters, pallets, and box pallets manufactured from them, with dimensions up to 1800 x 1200 x 1000 mm. In addition, we offer roll cars and rolling containers made of conductive HDPE and anti-slip sheets based on conductive ABS-TPU.

Call Us Today at: 734-222-4847 • e-mail: sales@sohnerplastics.com • Visit us on the Internet at: http://www.sohnerplastics.com
BOX PALLETS
Conductive, foldable box pallets with Twinsheet sleeve or sleeve made of plastic corrugated multi-layer sheets.

Material:
Conductive HDPE or conductive PP

Measurements:
1200 x 800 mm
1800 x 1200 mm
1140 x 1140 mm
Additional measurements on request

PRODUCTION TRAYS
Conductive containers for combi-instruments.

Material: Conductive PS
Measurements: 500 x 600 mm
other sizes on request

INSERTS
Conductive and stackable inserts.

Material: Conductive ABS with conductive TPU coating or conductive PS
Measurements: 560 x 360 mm
other sizes on request

INSERTS
Conductive inserts.

Material: Conductive ABS, conductive PS or conductive HDPE
Measurements: on request

BLISTER
Conductive blister packing.

Material: ICP-PS or ICP-PS additive as an alternative to carbon-filled material
Measurements: 400 x 300 mm
other sizes on request

AUTOMATION TRAYS
Conductive blister packing.

Material: Conductive PS
Measurements: 300 x 200 mm
other sizes on request

ESD TRAYS
Conductive work in progress tray.

Material: Thick-walled sheets of conductive ABS, conductive PS or conductive HDPE
Measurements: 600 x 800 mm
other sizes on request

WORK IN PROGRESS TRAY
Conductive work in progress tray.

Material: Thin-walled films of conductive ABS, conductive PS or conductive HDPE
Measurements: 400 x 300 mm
other sizes on request

DIE-CUT SHEETS
Conductive die-cut sheets.

Material: Full material of conductive HDPE, plastic corrugated of conductive PP or conductive PS
Measurements: on request

SEPARATOR ELEMENTS
Conductive separator elements, securely and durably inserted; also possible with edge closure.

Material: Plastic corrugated sheets, conductive PP
Measurements: on request

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ENVIROMENTAL PROTECTION

We have substantial interest in the future. Therefore it is also our responsibility to maintain natural bases of life.

For our company environmental protection means continual commitment en route to resource-conserving production processes. The continually growing proportion of plastic reclaim in technically-demanding parts is our self-evident contribution to securing a sound ecosystem. 85% of our products are already manufactured from recycled plastics.