

# ESDmat.Com

## Technical Datasheet

### ESD Cushion Mats RoHS & REACH Compliant

ESD Cushion Mats are made of two layers of PVC foam surrounded by a layer of conductive fleece to form an expanded static dissipative work surface. They are designed for use in front of computer keyboards and technicians working on static sensitive electronic components. Surface resistivity is  $10^7 - 10^8$ .

**APPLICATIONS:** Computer Operators, Electronic assembly and manufacturing, Pharmaceutical Plants, Cleanroom operation, Fiber Optics, Aerospace and Hospitals. To be used in table top applications.

#### TYPICAL PHYSICAL PROPERTIES <sup>(1)</sup>

##### CONSTRUCTION

Two layers of polyvinyl chloride foam surround a layer of conductive fleece to form an expanded static dissipative work surface. Designed for use in front of computer keyboards, this three-layer ESD mat dissipates operator's static through immediate touch prior to operating the equipment.

##### CHEMICAL RESISTANCE

The mat is resistant to degradation by inorganic acids, organic acids, reducing agents, detergent solutions, alcohols, aliphatic hydrocarbons, mineral oil, amines, and aldehydes.

##### PHYSICAL PROPERTIES:

COLOR	Blue
EMBOSS PATTERN	Mat Finish, Non-Embossed
GAUGE /THICKNESS	0.375" $\pm$ 0.010" ; 3/8"
TENSILE	100 lb/in <sup>2</sup> minimum
DENSITY	25lb/ft <sup>3</sup> nominal Wear Layer
ELONGATION	100% minimum
TEAR	20 lb/in minimum
DUROMETER	70 $\pm$ 5, Shore OO
ESD PROPERTIES: Range @ 100 V	$10^7 - 10^8 \Omega$
SUGGESTED SERVICE TEMPERATURE	-20 °F to +160 °F <sup>(2)</sup>

<sup>(1)</sup> Specifications are subject to change at any time for a variety of reasons. If you have any questions, please call for the latest update.

<sup>(2)</sup> This suggested range represents the general temperature range for most flexible vinyl products.

*Due to the variety of possible end-uses, it is ultimately the responsibility of the customer to determine a product's suitability for a particular application.*