

# ESDmat.Com

## Technical Datasheet

### ESD General Purpose Mat RoHS & REACH Compliant

ESD General Purpose Mat is made of Light texture single layer Polymer Mix. It is designed to provide a static safe work surface where anti static control is required. It is low cost, durable, easy to cut and reversible. Surface resistivity is  $10^9 - 10^{10}$  Ohms. This table top mat is also known as ESD work surface mat.

**APPLICATIONS:** 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

A homogeneous polymer mix of durable polyvinyl chloride, our 1059 series solid work surface mats are designed to provide a static safe work surface when ESD properties are required.

##### 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, Gray
EMBOSS PATTERN	Kid Grain
GAUGE /THICKNESS	0.093" $\pm$ 0.010" ; $\frac{3}{32}$ "
TENSILE	900 lb/in <sup>2</sup> minimum
ELONGATION	160% minimum
TEAR	160 lb/in minimum
DUROMETER	85 $\pm$ 5, Shore A
ESD PROPERTIES: Range @ 100 V	$10^9 - 10^{10} \Omega$
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.*