



## Technical Datasheet

### ESD General Purpose Mats & Mat Kits RoHS Compliant 1059 Series

ESD General Purpose Mats are made of light texture single layer ESD vinyl material. They are designed to provide a static safe work surface where anti static control is required. These mats are low cost, durable, easy to cut, and reversible. These ESD General Purpose Mats are also known as homogeneous mats or ESD worksurface mats. The kits include an ESD wrist strap and a ground cord.

**APPLICATIONS:** Electronic Assembly and Manufacturing, Pharmaceutical Plants, Cleanroom operation, Fiber Optics, Aerospace, and Hospitals.

#### 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

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

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

|                               |   |
|-------------------------------|---|
| COLOR                         | Blue, Gray                                      |
| EMBOSS PATTERN                | Kid Grain                                       |
| GAUGE /THICKNESS              | 0.094" ± 0.010", <sup>3</sup> / <sub>32</sub> " |
| TENSILE                       | 900 lbs./in. <sup>2</sup> minimum               |
| ELONGATION                    | 160% minimum                                    |
| TEAR                          | 160 lbs./in. minimum                            |
| DUROMETER                     | 85 ± 5, Shore A                                 |
| ESD PROPERTIES: Range @ 100 V | 10 <sup>9</sup> – 10 <sup>10</sup> Ω            |
| SUGGESTED SERVICE TEMPERATURE | -20 °F to +160 °F <sup>(2)</sup>                |

<sup>(1)</sup> Specifications are subject to change at any time. If you have any questions, please contact us for the latest update.

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