



## Technical Datasheet

### ESD Vinyl Mats and Mat Kits RoHS Compliant 3059 Series

Three Layer ESD Mats are ideal for static dissipative and flexible work surfaces. They are made of a textured vinyl with a buried conductive layer in between provide a superior physical and electrical qualities.

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

#### CONSTRUCTION

A homogenous construction, our three layer mat consists of solid polyvinyl chloride surrounding a layer of conductive fleece, giving it consistent electrical properties in addition to superior physical properties.

#### 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, Dark Gray
EMBOSS PATTERN	Kid Grain
GAUGE /THICKNESS	0.094" ± 0.010"; <sup>3</sup> / <sub>32</sub> "
TENSILE	900 lbs./in. <sup>2</sup>
ELONGATION	125%
TEAR	150 lbs./in.
DUROMETER	85 ± 5, Shore A
ESD PROPERTIES: Range @ 10 V	$3.0 \times 10^7 - 9.5 \times 10^8$ ohms/sq.
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.