



## Technical Datasheet

### ESD Foam Mats & Mat Kits RoHS Compliant ESDFM Series

ESD Foam 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.

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

#### 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 the 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.

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

COLOR	Blue	
EMBOSS PATTERN	Mat Finish, Non-Embossed	
GAUGE /THICKNESS	0.375" ± 0.010"; 3/8"	
TENSILE	100 lbs./in. <sup>2</sup> minimum	ANSI ESD-S20.20
DENSITY	25lbs./ft. <sup>3</sup> nominal Wear Layer	
ELONGATION	100% minimum	ANSI ESD-S20.20
TEAR	20 lbs./in. minimum	ANSI ESD-S20.20
DUROMETER	70 ± 5, Shore OO	ANSI ESD-S20.20
SURFACE RESISTIVITY	10 <sup>7</sup> – 9 x 10 <sup>8</sup>	ANSI ESD-S20.20
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.