

ESDmat.com

Technical Datasheet

ESD Vinyl Mats RoHS & REACH Compliant

ESD Vinyl Mat is ideal for static dissipative and flexible work surfaces. It has a solid vinyl, homogeneous construction with a buried conductive layer in between that provide a superior physical and electrical qualities.

APPLICATIONS: Electronic assembly and manufacturing, Pharmaceutical Plants, Cleanroom operation, Fiber Optics, Aerospace and Hospitals

TYPICAL PHYSICAL PROPERTIES ⁽¹⁾

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

These mats are 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" ± 0.010" ; ³ / ₃₂ "
TENSILE	900 lb/in ² minimum
ELONGATION	125% minimum
TEAR	150 lb/in minimum
DUROMETER	85 ± 5, Shore A
SURFACE RESISTIVITY	3x10 ⁷ – 9.5x10 ⁸ Ω/sq
SUGGESTED SERVICE TEMPERATURE	-20 °F to +160 °F ⁽²⁾

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

⁽²⁾ 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.