



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 ⁽¹⁾

COLOR	Blue, Dark Gray
EMBOSS PATTERN	Kid Grain
GAUGE /THICKNESS	0.094" ± 0.010"; ³ / ₃₂ "
TENSILE	900 lbs./in. ²
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 ⁽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.