ESDMat.com

Technical Datasheet

ESD High Temperature Mats
RoHS & REACH Compliant

ESD High Temperature Mats consist of a top layer static dissipative rubber laminated to a bottom layer of conductive rubber. The synthetic rubber work surface offers excellent resistance to oil, grease and most common solvents. It is heat and solder resistant, will not Delaminate and easy to clean.

APPLICATIONS: Computer Operators, Electronic assembly and manufacturing, Pharmaceutical Plants, Cleanroom operation, Fiber Optics, Aerospace and Hospitals. To be used in work surface applications.

TYPICAL PHYSICAL PROPERTIES [(1)]

CONSTRUCTION
Static dissipative synthetic rubber laminated to a bottom layer of conductive rubber.

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, Green
EMBOSS PATTERN	Matte finish, Non-Embossed
GAUGE /THICKNESS	0.080″ ± 10%; $^{1}/_{16}$″
TENSILE	>1000 psi
ELONGATION	300% minimum
HARDNESS	60 ± 5, Shore A
ESD PROPERTIES: R_{TT}	10^{6} - 10^{8} Ω
ESD PROPERTIES: R_{TG}	$8.0 \times 10^{6\text{-}8}$ Ω
CHARGE DECAY TIME: 5KV TO 50V	<0.01 Seconds
TEMPERATURE	190^{0} F (87^{0}C)

(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.

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.