



## Technical Datasheet

### ESD High Temperature Mats & Mat Kits RoHS Compliant 2059T Series

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 worksurface applications.

#### CONSTRUCTION

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

#### 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, Gray, Green
EMBOSS PATTERN	Matte finish, Non-Embossed
GAUGE /THICKNESS	0.080" ± 10%; 5/64"
TENSILE STRENGTH	>1000 psi
ELONGATION	300% minimum
HARDNESS	60 ± 5, Shore A
ESD PROPERTIES: R <sub>TT</sub>	2 × 10 <sup>6-8</sup> ohms
ESD PROPERTIES: R <sub>TG</sub>	8 × 10 <sup>6-8</sup> ohms
CHARGE DECAY TIME: 5KV TO 50V	<0.01 Seconds
TEMPERATURE	190 <sup>0</sup> F

<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.