



## Technical Datasheet

### ESD Soldering Mats & Mat Kits RoHS Compliant 2059S Series

ESD Soldering 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. They are heat and solder resistant, will not delaminate and are easy to clean.

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

#### 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, 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
UNSPSC CODE	46182105

<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.