

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⁽¹⁾

| 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 _{TT} | $2 \times 10^{6-8}$ ohms |
| ESD PROPERTIES: R _{TG} | $8 \times 10^{6-8}$ ohms |
| CHARGE DECAY TIME: 5KV TO 50V | < 0.01 Seconds |
| TEMPERATURE | $190^{0} \mathrm{F}$ |
| UNSPSC CODE | 46182105 |

⁽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.

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