



#### Technical Datasheet

### ESD High Temperature Mats & Mat Kits (Made in USA) RoHS Compliant 2059USA Series

ESD High Temperature Mats are made in the USA and are designed for use on tables and other grounded workbench surfaces. The top layer is blue or gray static dissipative rubber laminated to a conductive bottom rubber layer.

The material will withstand solvents, soldering iron deformation, not curl, and have excellent abrasion resistance. The embossed surface will reduce light glare, increase part slip resistance, and facilitate cleaning.

**APPLICATIONS:** Aerospace, Auto, Electronic Assembly and Manufacturing, Pharmaceutical Plants, Fiber Optics, and Hospitals.

#### CHEMICAL PROPERTIES

Free from halogens, lead, arsenic, barium, heavy metals, phthalate plasticizers, vinyl monomer, asbestos, formaldehyde, antimony, chromium, cadmium, and other dangerous volatiles it may be used in environments where out gassing and contamination is of concern.

#### TYPICAL PHYSICAL PROPERTIES <sup>(1)</sup>

COLOR	Blue/Black, Gray/Black
GAUGE /THICKNESS	0.060" ± 10%; 1/16"
FINISH	Embossed
DECAY TIME	.05 Seconds
OUTGASSING	Low
ABRASION	Low
TEMPERATURE RESISTANCE	250 <sup>0</sup> F
ESD PROPERTIES: R <sub>TT</sub>	3.6 x 10 <sup>7</sup> ohms
ESD PROPERTIES: R <sub>TG</sub>	7.7 x 10 <sup>7</sup> ohms
ESD PROPERTIES: BOTTOM LAYER	10 <sup>5</sup> - 10 <sup>6</sup> ohms

<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.