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Specification of ESD Bench/Floor Matting

PART No. 140-RM

2 layer static dissipative rubber mat, high durable work surface for ESD sensitive environment.
The dissipative top layer is resistant to abrasion, heat, solders flux and most commonly used solvents.
The black conductive bottom layer provides a superior and consistent ground path. This meets the requirements of US ESD Associations ANSI S4.1 and S20.20 guidelines.
The smooth texture can be easily cleaned and maintained. Certified for ROHS regulations. Very scratch resistant and it prevents sliding of components.

Thickness: 0.076 (2.00mm)
Colour – Grey, Blue (this may vary between batches)
Hardness: Per ASTM D2240
Upper dissipative layer – 70 -5 + 5 shore A
Lower conductive layer – 75 -5 + 5 shore A
Scratch resistance: No clear scratch and well recovery
Heat resistance: Resist holds irons and hot paste, rubber doesn't melt if in contact with hot metal parts and soldering debris.
UV resistance: No major disc
Charge Decay: < 0.1 sec per FTMS 101C, M4046
TB-WINT-0008 Charge generation: < 100 volts per ANSI/ ESD STM4.2
Others: No curling, No pin holes, No irritant odor
Sizes: Standard roll sizes are 10m x 1.2m and 10m x 0.60.

Mechanical Properties:
Room temperature: 21℃
Humidity: 62%

Cleaning: For optimum electrical performance surface must be cleaned regularly using an ESD safe mat cleaner.

Item	Top layer	Bottom Layer
300% tensile strength	3.7Mpa	
Breaking strength	18.7Mpa	3.7Mpa
Elongation at break	690Mpa	250Mpa
Hardness	66°	80°

ABOUT KAISERTECH

Founded in 1998, Kaisertech Ltd is situated in Eastleigh, Hampshire.
Through hard work and dedication Kaisertech has grown to be a well-recognized supplier of electronic production equipment and tools.

Specialists in: Soldering, Static Control, Vision, Industrial Furniture, Electric crew Drivers & Special Projects.

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