

Specification for Killstat Bench Material

Part-KSMLF4 / KSMLF2

Description:

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. The product is also certified for ROHS regulations.

General Specifications:

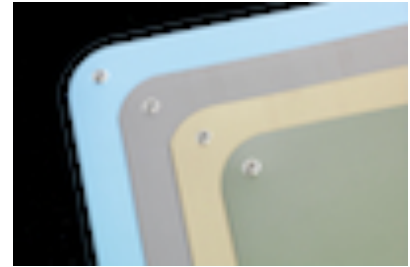
Material- synthetic rubber
Construction- Two layer, static dissipative top surface, black conductive bottom layer.

Thickness: 0.076 (2.00mm)

Top Layer (0.5mm) $10^6\text{ohm} \sim 10^9\text{ohm}$

Bottom Layer (1.5mm) $10^3\text{ohm} \sim 10^5\text{ohm}$

Colour – Grey, blue, beige, green (this may vary between batches)



Hardness: Per ASTM D2240

Upper dissipative layer – 5 + 5 shore A

Lower conductive layer – 75 + 5 shore A

Scratch resistance: No clear scratch and well recovery

Heat resistance: Resist holds irons and hot paste. -30~70°C.

UV resistance: No major disc

Charge Decay: < 0.1 sec per FTMS 101C, M4046

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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.

Stud force: 6KG/ 59cm (Recommended)

Cleaning: For optimum electrical performance surface must be cleaned regularly using an ESD safe mat cleaner. We suggest using Winifred's surface cleaner for best cleaning results.



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Room temperature : 21°C

Humidity: 62%

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

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