

ESD Bench Matting

Smooth Finish - Blue

multicomp^{PRO}

RoHS
Compliant



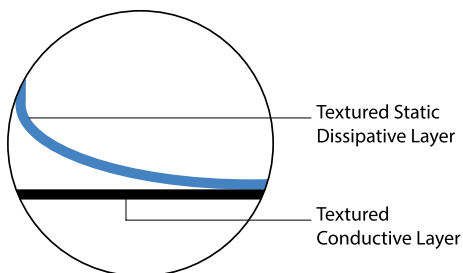
Description

A multi purpose, anti-static matting for use on either workstation benches or as a flooring solution in the workshops of advanced laboratories for microelectronic industries.

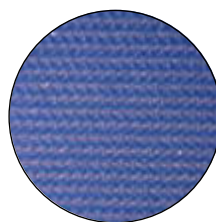
Features

- Made from anti-static (conductive) and static-dissipative materials with synthetic rubber
- Corrugated surface provides slip resistance and even footing
- Excellent abrasion resistance
- Easy to clean, sweep or hose off
- Resistant to cuts, tears, impact, ozone damage, fire and most chemicals
- 3mm thick double-layer structure
- Surface layer is a 1mm thick static-dissipative layer
- Available in blue and yellow surface with black textured bottom surface
- Studs sold separately (not included)
- Rivet & stud assembly, please referred to MPM: 067-1006

Construction:



Colours / Finish:



Blue / Black

Grounding:

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3 less than 1×10^9 ohms for working surfaces. Industry recommendation is that continuous runs of ESD matting should be grounded at 10ft intervals to allow proper charge decay rates. Each individual ESD mat should be grounded with ground snaps located no further than five feet from either end.

Cleaning:

Please note that contact between the matting surface and any acid or alkali solvent is strictly prohibited (such as Benzene, Alcohol etc), this will result in the antistatic performance wearing away. If cleaning is required, the matting may be wiped with a cloth coated in a neutral solution (such as water).

Guidance on Use:

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Matting should always be trimmed with a sharp knife or razor blade.

Cutting Tolerances:

Width ± 6 mm

Length ± 6 mm every linear foot of running material

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Test Results

	Test Method	Unit	Value
Surface Resistance / RTG	SJ/T10694-2004	Ω	$1 \times 10^6 \leq R \leq 1 \times 10^9$
Bottom Resistance / RTT	SJ/T10694-2004	Ω	$1 \times 10^3 \leq R \leq 1 \times 10^6$
Volume Resistance	GB/T14437-97	Ω	$1 \times 10^5 \leq R \leq 1 \times 10^8$
Thickness	YY-1001	mm	Permissible Tolerance +0.1
Temperature Resistance	YY-1001	$^{\circ}\text{C}$	180 (Instantaneous Temp)
Temperature	N/A	$^{\circ}\text{C}$	20-26
Relative Humidity	N/A	%	40-65

RTG is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper RTG insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for RTG is 1×10^6 to $1 \times 10^9 \Omega$. ANSI/ESD S-20.20 has an upper limit of $<1 \times 10^9 \Omega$.

RTT is the resistance from one point on the mat's surface to another point. A proper RTT insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for RTT is $>1 \times 10^6 \Omega$.

Part Number Table

Description	Mat Size	Part Number
ESD Anti Slip Multipurpose Matting - 3mm	600mm×1200mm	082-0068

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