



ESD Bench Matting – 2 & 3 Layer, Smooth Finish

FEATURES:

Anti-static matting should be laid out in the workshops or advanced laboratories for microelectronic industries such as electronic semi-conduct devices, electronic computers, electronic communication equipment and integrated circuits etc.

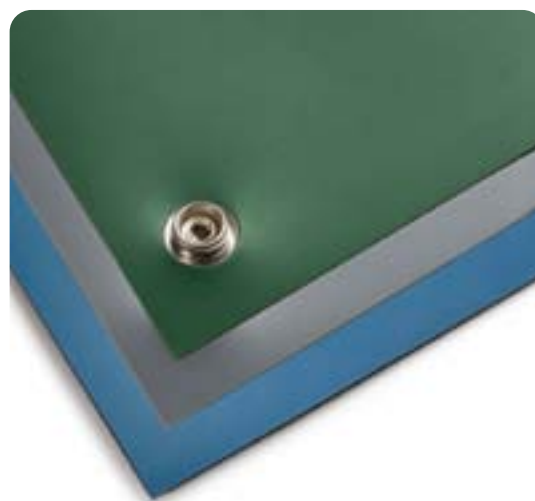
- Great value ESD Bench Matting made from anti-static (conductive) and static-dissipative materials with synthetic rubber
- All bench mats come with 10mm studs in each corner

2 LAYER

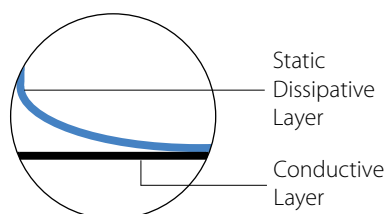
- 2mm thick double-layer structure
- Surface layer is a 0.5mm thick static-dissipative layer
- Bottom layer is a 1.5mm conductive layer
- Asian origin

3 LAYER

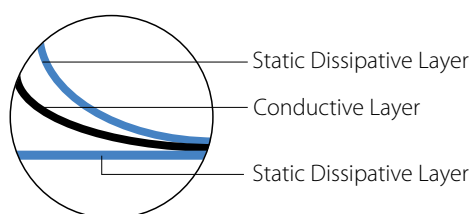
- 3mm thick double-layer structure
- Surface layer is a 1.25mm thick static-dissipative layer
- Middle layer is a 0.5mm conductive layer
- Bottom layer is a 1.25mm thick static-dissipative layer



2 LAYER CONSTRUCTION:



3 LAYER CONSTRUCTION:



CONFORMS TO ESD S20.20 AND EN 61340-5-1 ESD.

TEST RESULTS:

	TEST METHOD:	UNIT:	VALUE:
Surface Resistance / R_{TG}	SJ/T10694-2004	Ω	$1 \times 10^6 \leq R \leq 1 \times 10^9$
Bottom Resistance / R_{TT}	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

R_{TG} 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 R_{TG} 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 R_{TG} is 1×10^6 to $1 \times 10^9 \Omega$. ANSI/ESD S-20.20 has an upper limit of $< 1 \times 10^9 \Omega$. R_{TT} is the resistance from one point on the mat's surface to another point. A proper R_{TT} insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for R_{TT} is $> 1 \times 10^6 \Omega$.

ARTICLE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
466-1643	ESD Bench Matting – 3 Layer, Smooth Finish	600 x 1200mm	Blue
466-1665	ESD Bench Matting – 3 Layer, Smooth Finish	1200 x 1800mm	Blue
466-1659	ESD Bench Matting – 3 Layer, Smooth Finish	600 x 1200mm	Grey
466-1671	ESD Bench Matting – 3 Layer, Smooth Finish	1200 x 1800mm	Grey
287-7587	ESD Bench Matting – 2 Layer, Smooth Finish	600 x 1200mm	Beige
327-3122	ESD Bench Matting – 2 Layer, Smooth Finish	600 x 1200mm	Green
287-7593	ESD Bench Matting – 2 Layer, Smooth Finish	600 x 1200mm	Grey

ESD Bench Matting | Revision Date: 9 June 2013

Disclaimer: This data sheet and its contents (the "Information") belong to RS Components Ltd (the "Group") or are licensed to it. No license is granted for the use of it other than for information purposes in connection with the products to which it relates. No license of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence.