

Datasheet

ESD Bench Matting – 2 & 3 Layer, Smooth Finish

ENGLISH

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

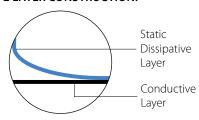
2 I AYFR

- 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

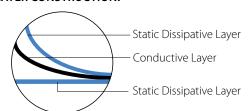
3 LAYER

- 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	$1 \times 10^6 \le R \le 1 \times 10^9$	
Bottom Resistance / R_{TT}	SJ/T10694-2004	Ω	$1 \times 10^3 \le R \le 1 \times 10^6$	
Volume Resistance	GB/T14437-97	Ω	$1 \times 10^5 \le R \le 1 \times 10^8$	
Thickness	YY-1001	mm	Permissable Tolerance +0.1	
Temperature Resistance	YY-1001	°C	180 (Instantaneous Temp)	
Temperature	N/A	°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 1x10° to 1x10° Ω . ANSI/ESD S-20.20 has an upper limit of <1 x10° Ω . 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 >1x10° Ω .

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

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