

3M™ Vinyl Table Mat

Premium Vinyl Table Mat

A long time industry favorite, this three layer vinyl material provides excellent electrical properties. The top layer is tough, easy to clean, dissipative vinyl. The center layer, a highly conductive metal scrim, moves the charge from the surface to ground quickly. The bottom layer is a durable, non-skid, cushion of dissipative foam. Compatible with Constant Monitors. Available in rolls, mats, and mats with ground cord.

Standards

Meets the requirements of ESD Standard 4.1, ESD Standard 20.20, EIA 625, MILI-HDBK-263, and MIL-STD-1686.

Specifications

Resistance to Ground point (R_{TG}) 10⁷ ohms
 Resistance Top to Top (R_{TT}) 10⁷ ohms
 Thickness: 0.125 inches
 Colors: Blue and Gray

Part Numbers

Mats	Includes mat, two snaps, installed.	
SIZE	BLUE P/N	GRAY P/N
24x36 inches	TM2436L3BL	TM2436L3GR
24x48 inches	TM2448L3BL	TM2448L3GR

Call for custom sizes.

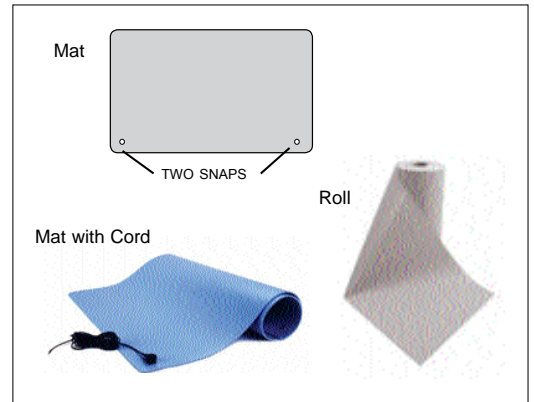
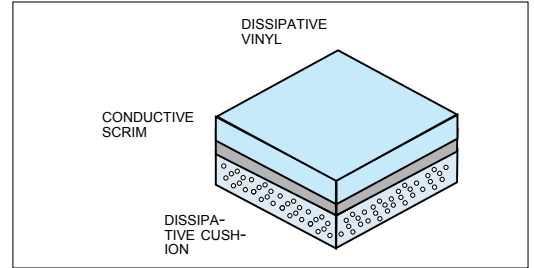
Mat Kits	Includes mat, two snaps, installed, and a 15 foot ground cord.	
SIZE	BLUE P/N	GRAY P/N
24x36 inches	TM2436L3BL-L	TM2436L3GR-L
24x48 inches	TM2448L3BL-L	TM2448L3GR-L

Call for custom sizes.

Rolls	Includes roll of matting material.	
SIZE	BLUE P/N	GRAY P/N
2x100 feet	TM241200L3BL	TM241200L3GR
3x100 feet	TM361200L3BL	TM361200L3GR
30"x100 feet	TM301200L3BL	TM301200L3GR
4x100 feet	TM481200L3BL	TM481200L3GR

See 3M Data Sheets for these related items:

- 3M™ Ground Cords
- 3M™ Snaps
- 3M™ Snap Tool



R - T - G?

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 1x10⁶ to 1x10⁹ ohms. ANSI/ESD S-20.20 has an upper limit of <1x10⁹ ohms.

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 >1x10⁶ ohms.

P R O D U C T D A T A S H E E T

Mat - Premium Vinyl- THREE LAYER

PRODUCT
THREE LAYER VINYL MAT

ITEM NUMBER
SEE ABOVE

DATASHEET
1133-A

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