

3M™ Rubber Table Mat Ultra-R2

Ultra-R2 Rubber Table Mat

Excellent resistance to solvents, hot solder, and soldering irons makes the Ultra-R2 mats the ultimate static safe work surface. Excellent electrical performance is assured by using a two layer combination of static dissipative and conductive rubber materials. Ultra-R2 mats combine the low contact resistance and convenience of soft mats, with the conductivity and durability of hard laminates. 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}) 10⁶ ohms
 Resistance Top to Top (R_{TT}) 10⁷ ohms
 Thickness: 0.060 inches
 Colors: Blue / Black and Gray / Black

Part Numbers

| Mats | Includes mat, two snaps, installed. | |
|--------------|-------------------------------------|-------------|
| SIZE | BLUE P/N | GRAY P/N |
| 24x36 inches | RM2436L2RBL | RM2436L2RGR |
| 24x48 inches | RM2448L2RBL | RM2448L2RGR |

Call for custom sizes.

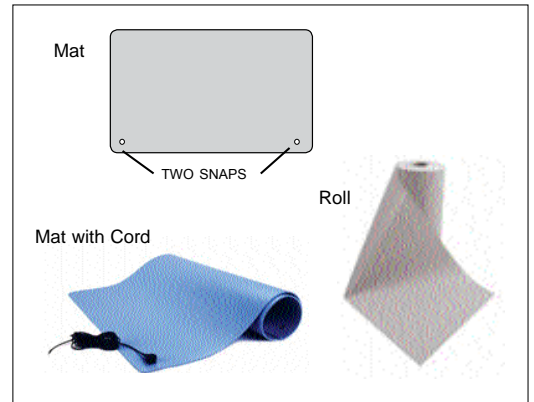
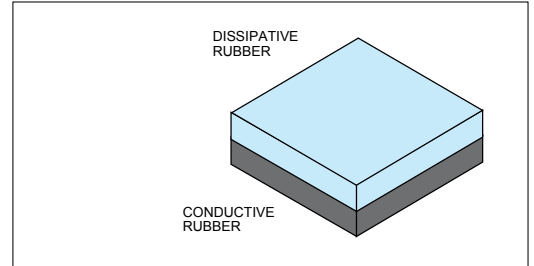
| Mat Kits | Includes mat, two snaps, installed, and a 15 foot ground cord. | |
|--------------|--|---------------|
| SIZE | BLUE P/N | GRAY P/N |
| 24x36 inches | RM2436L2RBL-L | RM2436L2RGR-L |
| 24x48 inches | RM2448L2RBL-L | RM2448L2RGR-L |

Call for custom sizes.

| Rolls | Includes roll of matting material. | |
|-------------|------------------------------------|--------------|
| SIZE | BLUE P/N | GRAY P/N |
| 2x50 feet | RM24600L2RBL | RM24600L2RGR |
| 3x50 feet | RM36600L2RBL | RM36600L2RGR |
| 30"x50 feet | RM30600L2RBL | RM30600L2RGR |
| 4x50 feet | RM48600L2RBL | RM48600L2RGR |

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 <1 x10⁹ 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 - Ultra-R2 Rubber - TWO LAYER

PRODUCT
TWO LAYER RUBBER MAT

ITEM NUMBER
SEE ABOVE

DATASHEET
1132-A

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