

Botron BV7123 Technical Data Sheet



Overview:

Botron's new Type T2 Value Rubber Table Mats dual layer design provide excellent electricals and durability. It exceeds both EOS/ESD and Department of Defense requirements. Available in Blue, Gray and Green rolls, and pre-cut table mats with hardware.

PROPERTIES

SPECIFICATIONS

Material:	.080" Thick Rubber Construction Dissipative top layer Conductive bottom layer
Meets Standards:	ANSI EOS/ESD S4.1 RTG ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
Electricals:	Top Layer 10^8 Conductive Back Layer 10^4 RTT (Resistance Top to Top) 5.8×10^7 - 6×10^8 Ohms Resistance to Ground 5.2×10^7 - 5×10^8 Ohms Charge Decay Time 5000 volts to 50v <0.01 Seconds
Colors:	Blue, Gray, Green

AVAILABLE APPLICATIONS

50' runners
Standard and Custom Cut Table Mats

Product Notes and Features

- Dual-Layer Design
- Superior Electricals
- Resistant to Hot Solder
- Conductive Bottom Layer
- Non-Skid Backing
- Reversible from Dissipative to Conductive
- Chemical and Abrasion Resistant
- Compatible with Constant Monitors
- Smooth Finish
- Lead-Free RoHS Compliant



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Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user. The statements herein shall have no force or effect.

INSTALLATION

1. Remove mat from bag.
2. Attach 10' common point ground B9703 to 3/8" snap on mat.
3. Connect opposite end of wire to ground.
4. Check with your facility personnel for building ground.

GROUNDING

All pre-cut mats come with attached snap and one B9703 common point ground. B9703 when properly setup will ground the mat and provide ground points for two workers via standard banana jack. For grounding rolls please see hardware (each mat will need a snap and ground to be effective).

TESTING GUIDELINES

Botron recommends testing ESD mats with the following test equipment: B8582, B8572, B8563, B8560, BSRM6, BSRM10.

Using two 5lbs. weights, placing them approximately 18" apart, conduct the test according to the test equipment which you are using.

Conduct this test to achieve a reading for RTG (resistance to ground) and RTT (resistance top to top) respectively.

When using the BSRM6 and BSRM10, simply place on top of surface of mat and hold down test button to achieve a surface resistance reading.

*Please note, it is recommended to read the testing guidelines provided with the ESD Tester you are using.

PART NUMBERS

Blue ESD Rubber Mat

BV7123 2' x 3' 2 layer blue mat w/snap and ground

BV7124 2' x 4' 2 layer blue mat w/snap and ground

BV7125 2' x 5' 2 layer blue mat w/snap and ground

BV71304 30" x 4' 2 layer blue mat w/snap and ground

BV71250 2' x 50' blue 2 layer roll

BV71350 3' x 50' blue 2 layer roll

BV71450 4' x 50' blue 2 layer roll

BV713050 30" x 50' blue 2 layer roll

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