

Botron B4123 Technical Data Sheet



Overview:

Botron's Type Z vinyl ESD table mats feature a unique three layer design, provide excellent electricals, and ergonomic comfort that only a foam back material can provide. It exceeds both EOS/ESD and Department of Defense requirements. Available in Light Blue or Gray rolls, and pre-cut table mats with hardware.

PROPERTIES

SPECIFICATIONS

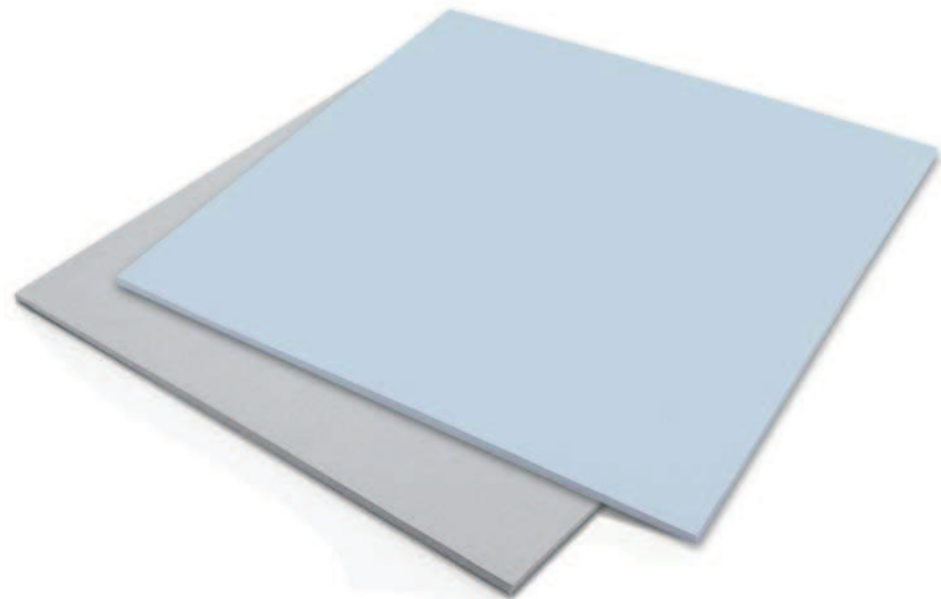
Material:	.120" Thick Vinyl and Foam Dissipative Vinyl Top Layer Conductive Carbon Middle Layer Dissipative Foam Backing
Meets Standards:	ANSI EOS/ESD S4.1 RTG Fed Std 101 Method 4046
Electricals:	Top Layer 5×10^7 Conductive carbon layer 10^4 Dissipative foam backing 10^8 RTT 5.3×10^7 - 6×10^8 Ohms RTG 6.1×10^6 - 5×10^8 Ohms Charge Decay Time 5000 volts to 50v <0.01 Seconds
Colors:	Light Blue, Gray

AVAILABLE APPLICATIONS

40' runners
Standard and Custom Cut Table Mats

Product Notes and Features

- Attractive Light Blue and Gray Colors
- Ergonomic Three Layer Cushioned Design
- Superior Electricals
- Cost Effective
- Buried Conductive Layer
- Non-skid Backing
- Compatible with Constant Monitors
- Lightweight and Easy to Cut to Size
- Lead-free RoHS Compliant



INSTALLATION

1. Remove mat from bag.
2. Attach 10' common point ground B9702 to 3/8" snap on mat.
3. Connect opposite end of wire to ground.
4. Check with your facility people for building ground.

GROUNDING

All pre-cut mats come with attached snap and one B9703 common point ground.

The B9703, when properly set up, 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

Light Blue ESD Mat

B4123 2' x 3' 3 layer blue mat w/snap and ground
B4124 2' x 4' 3 layer blue mat w/snap and ground
B4125 2' x 5' 3 layer blue mat w/snap and ground
B41304 30' x 4' 3 layer blue mat w/snap and ground

B41240 2' x 40' blue 3 layer roll
B41340 3' x 40' blue 3 layer roll
B41440 4' x 40' blue 3 layer roll
B413040 30" x 40' blue 3 layer roll

Gray ESD Mat

B4623 2' x 3' 3 layer gray mat w/snap and ground
B4624 2' x 4' 3 layer gray mat w/snap and ground
B4625 2' x 5' 3 layer gray mat w/snap and ground
B46304 30" x 4' 3 layer gray mat w/snap and ground

B46250 2' x 50' gray 3 layer roll
B46350 3' x 50' gray 3 layer roll
B46450 4' x 50' gray 3 layer roll
B463050 30" x 50' gray 3 layer roll

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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.