

# Botron B5418 Technical Data Sheet



## Overview:

Botron's B5418 Type E+ Disk Drive Mat (DDM) is a 3/8" thick three layer vinyl foam that provides excellent cushioning and a static safe work space.

## PROPERTIES

## SPECIFICATIONS

Material:	3/8" Thick Vinyl Construction Dissipative Top Layer
Meets Standards:	ANSI EOS/ESD S4.1 RTG EIA-625 ESD standards
Electricals:	Top layer $<10^{10}$ RTT (Resistance Top to Top) $10^8 \times 10^{10}$ Ohms RTG (Resistance to Ground) $10^8 \times 10^{10}$ Ohms Charge Decay Time 5000 volts to 50v $<0.01$ Seconds
Colors:	Blue

## AVAILABLE APPLICATIONS

It can be used on benches, carts, inside trays or shelves. The "DDM" mat offers comfort and protects parts susceptible to physical shock and damage. It can be cut with a razor knife or even die cut. It is best used over hard laminate surfaces.

## Product Notes and Features

- 3/8" Thick
- No Grounding Needed If Laid On Static Dissipative Hard Surface
- Non-skid Backing
- Smooth Finish
- Easy To Cut
- No Hardware Needed
- Can Be Die Cut
- Lead-free RoHS compliant



Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**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.

## TESTING GUIDELINES

Botron recommends testing ESD mats with the following test equipment: B8582, B8572, 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

B5418 18" x 23" x 3/8" Disk Drive Mat  
B543060 30" x 60" x 3/8" Disk Drive Mat Roll  
B54360 3' x 60" x 3/8" Disk Drive Mat Roll

## GROUNDING

No grounding needed when used over a hard dissipative surface.

Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

**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.