Botron B13000 Technical Data Sheet



Overview:

Botron's 13000 Series Metal-In Flat Shielding Bags are made from a layered, metalized polyester with static dissipative inner and outer layers. The polyester dielectric and metal layer create a Faraday effect for shielding of ESD. ESD sensitive materials stored inside the bag are provided a static safe environment.

SPECIFICATIONS

Surface Resistance

PROPERTIES

Interior Layer: <1 x 10¹¹ ohms
Exterior Layer: <1 x 10¹¹ ohms
Metal: <100 ohm
Static Shielding: <50nJ
Static Decay: <0.03S
Charge Generation: <100 volts

Physical Properties

Tensile Strength: >5500 psi MD/TD

Light Transmission: 40% +5% Puncture Strength: >12 lbs.

Heat Sealing Conditions

Temperature: 250°F - 375°F Time: 0.5 - 3.5 seconds

Pressure: 30 - 70 psi

Thickness: 3.0mils +8%

Chemical Properties: Meets standard of RoHS, REACH.

No Halogen

Product Notes and Features

- Dissipative Outer Layer
- Puncture Resistant
- Metal-in
- Noncorrosive
- Semi Transparent
- ESD Logo



PART NUMBERS

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B13023 Shield-It Metal In Flat Bag 3mil 2" x 3" 100PK
B13033 Shield-It Metal In Flat Bag 3mil 3" x 3" 100PK
B13035 Shield-It Metal In Flat Bag 3mil 3" x 5" 100PK
B13044 Shield-It Metal In Flat Bag 3mil 4" x 4" 100PK
B13046 Shield-It Metal In Flat Bag 3mil 4" x 6" 100PK
B13048 Shield-It Metal In Flat Bag 3mil 4" x 8" 100PK
B13430 Shield-It Metal In Flat Bag 3mil 4" x 30" 100PK
B13058 Shield-It Metal In Flat Bag 3mil 5" x 8" 100PK
B13510 Shield-It Metal In Flat Bag 3mil 5" x 10" 100PK
B13068 Shield-It Metal In Flat Bag 3mil 6" x 8" 100PK
B13610 Shield-It Metal In Flat Bag 3mil 6" x 10" 100PK
B13715 Shield-It Metal In Flat Bag 3mil 7" x 15" 100PK
B13810 Shield-It Metal In Flat Bag 3mil 8" x 10" 100PK
B13812 Shield-It Metal In Flat Bag 3mil 8" x 12" 100PK
B13912 Shield-It Metal In Flat Bag 3mil 9" x 12" 100PK
B131012 Shield-It Metal In Flat Bag 3mil 10" x 12" 100PK
B131014 Shield-It Metal In Flat Bag 3mil 10" x 14" 100PK
B131024 Shield-It Metal In Flat Bag 3mil 10" x 24" 100PK
B131030 Shield-It Metal In Flat Bag 3mil 10" x 30" 100PK
B131115 Shield-It Metal In Flat Bag 3mil 11" x 15" 100PK
B131518 Shield-It Metal In Flat Bag 3mil 15" x 18" 100PK
B131624 Shield-It Metal In Flat Bag 3mil 16" x 24" 100PK
B131818 Shield-It Metal In Flat Bag 3mil 18" x 18" 100PK
B131824 Shield-It Metal In Flat Bag 3mil 18" x 24" 100PK
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STANDARDS

Meets ANSI/ESD S20.20 and Mil-PRF-81705D

AVAILABLE APPLICATIONS

For use when protecting against corrosive materials and to store static sensitive components for protection against environmental conditions as they pass through production.

CONSTRUCTION (from outer to inner layer)

B13000 Series Metal-In Bags are constructed of layers that provide Faraday Effect shielding. The polyester dielectric combined with the metal layers prevent penetration of damaging electrostatic fields. Tribocharging is minimized by the specially processed polyethylene.

