

Botron B12000 Technical Data Sheet



Overview:

Botron's 12000 Series Metal-In Zip 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.

Product Notes and Features

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

PROPERTIES

SPECIFICATIONS

Surface Resistance

| | |
|--------------------|----------------------------|
| Interior Layer: | <1 x 10 ¹¹ ohms |
| Exterior Layer: | <1 x 10 ¹¹ 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



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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.

PART NUMBERS

B12035 Shield-It Metal In Zip Bag 3mil 3" x 5" 100PK
B12046 Shield-It Metal In Zip Bag 3mil 4" x 6" 100PK
B12048 Shield-It Metal In Zip Bag 3mil 4" x 8" 100PK
B12058 Shield-It Metal In Zip Bag 3mil 5" x 8" 100PK
B12510 Shield-It Metal In Zip Bag 3mil 5" x 10" 100PK
B12068 Shield-It Metal In Zip Bag 3mil 6" x 8" 100PK
B12610 Shield-It Metal In Zip Bag 3mil 6" x 10" 100PK
B12715 Shield-It Metal In Zip Bag 3mil 7" x 15" 100PK
B12812 Shield-It Metal In Zip Bag 3mil 8" x 12" 100PK
B121012 Shield-It Metal In Zip Bag 3mil 10" x 12" 100PK
B121030 Shield-It Metal In Zip Bag 3mil 10" x 30" 100PK
B121818 Shield-It Metal In Zip Bag 3mil 18" x 18" 100PK

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)

B12000 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.



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