

# NSTAT ESD CONTROL

Sizes on Page 2

## Static Shielding Bag ~ Metal-Out

Metal-out static shielding bags are approved by major computer, electronics, and disk drive manufacturers for use worldwide. Our transparent, metalized static shield bag structure provides a static safe environment for sensitive electronic devices. Provides low charge retention and rapid static decay. Bags are lot coded for QC traceability.

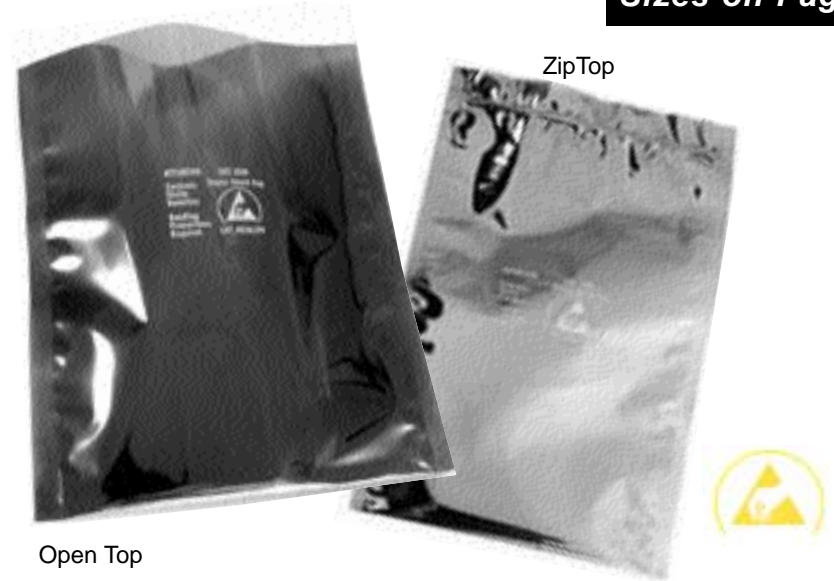
### Standards

Meets the requirements of MIL-PRF-81705 Type III, EIA 541, EIA 625, MIL-HDBK-263, MIL-STD-1686, EOS/ESD Standards, and charge retention standards.

### Specifications

**Electrical Properties:**  
 Surface Resistivity Interior:  $>10e5 < 10e12$  ohms/sq using ASTM D257  
 Exterior:  $<10e5$  ohms/sq using ASTM D257  
 Metal: 100ohms  
 Static Shielding  $< 30$ volts MIL-PRF-81705,EIA 541  
 Static Shielding  $< 10$ nj EOS/ESD S11.31  
 Static Decay  $< 0.05$  sec MIL-PRF-81705, FTMS 101 MTH 4046  
 Charge Retention  $<100$  volts

**Physical Properties:**  
 Tensile strength  $>20$ lbs ASTM D 882  
 Seam Strength Pass MIL-PRF-81705  
 Light Transmission 40% TOBIAS  
 Temperature range: 250F - 375F , 0.5-3.5 seconds  
 Pressure 30 - 70 PSI  
 Thickness 3.1mil



**Material Structure**  
 Flat and ZipTop static shielding bags are manufactured using a proprietary top coating. The top coating and metal layer provide low charge retention and Faraday Effect shielding of an Electrostatic Discharge (ESD) with the associated electrostatic fields. Polyester dielectric stops the current from ESD. Tribocharging is minimized by the specially processed polyethylene.


P R O D U C T   D A T A   S H E E T

## Static Shielding Bag METAL-OUT

PRODUCT	ITEM NUMBER	DATASHEET
STATIC SHIELDING BAG, OPEN TOP AND ZIPTOP	See Page 2	



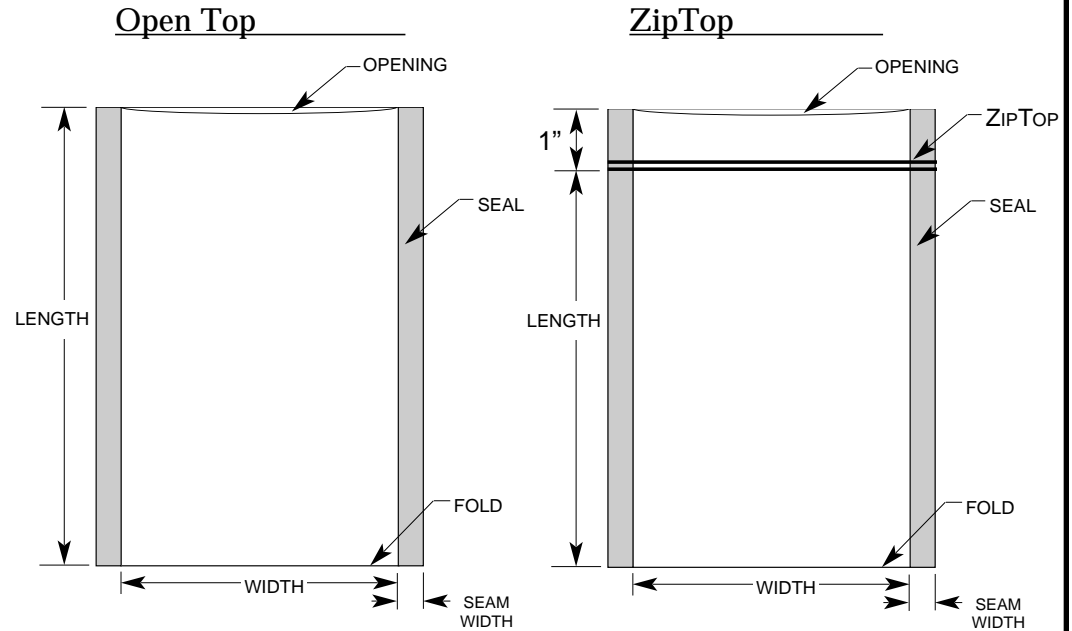
**NSTAT ESD CONTROL**

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# NSTAT ESD CONTROL

## Open Top Static Shielding Bag ~ Metal-Out

W"x L" P/N	W"x L" P/N	W"x L" P/N
3 x 5 NS-005-SSO	8 x 10 NS-0810-SSO	12 x 16 NS-1216-SSO
4 x 6 NS-0406-SSO	8 x 12 NS-0812-SSO	12 x 18 NS-1218-SSO
5 x 8 NS-0508-SSO	9 x 12 NS-0912-SSO	14 x 18 NS-1418-SSO
6 x 8 NS-0608-SSO	10 x 12 NS-1012-SSO	15 x 18 NS-1518-SSO
6 x 10 NS-0610-SSO	10 x 14 NS-1014-SSO	16 x 24 NS-1624-SSO
6 x 30 NS-0630-SSO	10 x 24 NS-1024-SSO	18 x 18 NS-1818-SSO
7 x 15 NS-0715-SSO	11 x 15 NS-1115-SSO	18 x 24 NS-1824-SSO



## ZipTop

### Recloseable Static Shielding Bag ~ Metal-Out

W"x L" P/N	W" x L" P/N	W" x L" P/N
3 x 5 NS-0305-SSZO	5 x 8 NS-0508-SSZO	8 x 10 NS-0810-SSZO
4 x 4 NS-0404-SSZO	6 x 8 NS-0608-SSZO	10 x 12 NS-1012-SSZO
4 x 6 NS-0406-SSZO	6 x 10 NS-0610-SSZO	12 x 18 NS-1218-SSZO

- All standard sizes in-stock/same day shipment.
- Width is measured from inside seam to inside seam.
- Length is measured from the top edge to the bottom fold.
- Opening is in the "width" dimension.
- Custom bag sizes, custom printing, and custom hot stamping are available.
- Most sizes are packed 100 per case.  
Small sizes are packed 1000 or 500 per case.

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**PRODUCT**  
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