

# 3M™ Static Shielding Bag SCC 1000

## Static Shielding Bag ~ Metal-In

This transparent, metallized static shield bag helps provide a static safe environment for sensitive electronic devices. Four layer construction. Polyester dielectric and metal layer provide Faraday effect shielding of ESD and fields. Tribocharging is minimized by the specially processed polyethylene. Flat and zipper closure styles. Coded for QC traceability. These bags are tested to meet or exceed certain electrical and physical requirements of ANSI/ESD S541, EIA 625, and to be ANSI/ESD S20.20 program compliant.

## Specifications

| <b>Electrical Properties:</b>    | Typical Values                   | Test Method*             |
|----------------------------------|----------------------------------|--------------------------|
| Surface Resistivity / Resistance | ASTM D257 or                     | ANSI/ESD STM11.11        |
| Interior                         | <10 <sup>12</sup> ohms/square or | <10 <sup>11</sup> ohms   |
| Exterior                         | <10 <sup>12</sup> ohms/square or | <10 <sup>11</sup> ohms   |
| Metal                            | 100 ohms                         |                          |
| Static Shielding                 | < 30 volts                       | EIA 541                  |
| Static Shielding                 | < 10 nJ                          | ANSI/ESD STM11.31        |
| Static Decay                     | < 2 seconds                      | MIL-STD-3010 4046        |
| Charge Generation                |                                  |                          |
| PTFE                             | 0.09 nC/sq.in.                   | Modified Inclined Plane  |
| Quartz                           | 0.01 nC/sq.in.                   |                          |
| <b>Physical Properties:</b>      |                                  |                          |
| Tensile Strength                 | 4700 PSI                         | ASTM D 882               |
| Seam Strength                    | > 10 lbs                         | ASTM D 882               |
| Light Transmission               | 40 %                             | Tobias                   |
| Heat Sealing Conditions          |                                  |                          |
| Temperature                      | 250°F - 375° F                   |                          |
| Time                             | 0.5 - 3.5 seconds                |                          |
| Pressure                         | 30 - 70 PSI                      |                          |
| Thickness                        | 3 mils**                         | MIL-STD-3010 1003 +/-20% |
| Silicone or Amine Content        | Not detected                     | FTIR                     |

\*\* tolerance +/-15%

See 3M Data Sheets for these related items:

Static Warning Labels  
Heat Sealer

Open Top

ZipTop

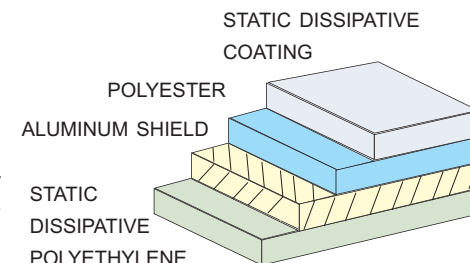


Sizes on Page 2



## Material Structure

SCC 1000 open top and ZipTop static shielding bags are manufactured from industry approved Polyester/Metal/Polyethylene laminates. The polyester dielectric in concert with the metal layer provide Faraday Effect shielding of an Electrostatic Discharge (ESD). The metal layer prevents the penetration of damaging electrostatic fields. Tribocharging is minimized by the specially processed polyethylene.



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\*This product is not on the Qualified Product Listing under the Defense Standardization Program.

P R O D U C T D A T A S H E E T

## SCC 1000 Static Shielding Bag METAL-IN

**PRODUCT**  
STATIC SHIELDING BAG, OPEN TOP AND ZIPTOP

**ITEM NUMBER**  
100(W")(L")

**DATASHEET**  
1100-A  
98-0799-1068-7

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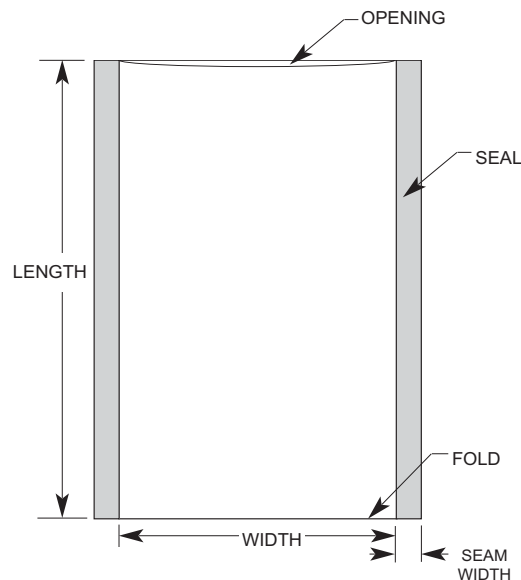
## 3M™ Static Shielding Bag SCC 1000

### Open Top Static Shielding Bag ~ Metal-In

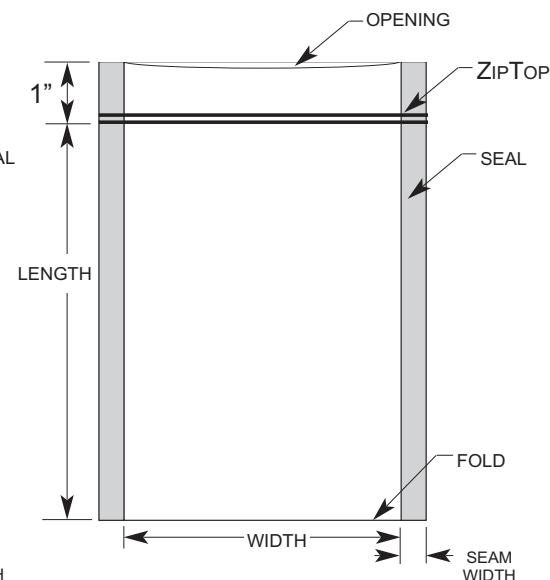
| W"x L"   | P/N      | W"x L"  | P/N     | W"x L"  | P/N     |
|----------|----------|---------|---------|---------|---------|
| 2 x 3    | 10023    | 7 x 8   | 10078   | 12 x 18 | 1001218 |
| 2 x 4    | 10024    | 7 x 10  | 100710  | 12 x 24 | 1001224 |
| 2 x 6    | 10026    | 7 x 11  | 100711  | 12 x 25 | 1001225 |
| 3 x 5    | 10035    | 7 x 15  | 100715  | 12 x 30 | 1001230 |
| 4 x 4    | 10044    | 7 x 16  | 100716  | 14 x 16 | 1001416 |
| 4 x 6    | 10046    | 8 x 8   | 10088   | 14 x 18 | 1001418 |
| 4 x 8    | 10048    | 8 x 10  | 100810  | 14 x 20 | 1001420 |
| 4 x 24   | 100424   | 8 x 12  | 100812  | 14 x 30 | 1001430 |
| 4 x 26   | 100426   | 8 x 14  | 100814  | 15 x 18 | 1001518 |
| 4 x 30   | 100430   | 8 x 16  | 100816  | 16 x 18 | 1001618 |
| 5 x 6    | 10056    | 8 x 18  | 100818  | 16 x 20 | 1001620 |
| 5 x 7    | 10057    | 8 x 24  | 100824  | 16 x 24 | 1001624 |
| 5 x 8    | 10058    | 8 x 30  | 100830  | 16 x 30 | 1001630 |
| 5 x 10   | 100510   | 9 x 12  | 100912  | 18 x 18 | 1001818 |
| 6 x 8    | 10068    | 10 x 12 | 1001012 | 18 x 20 | 1001820 |
| 6 x 9    | 10069    | 10 x 14 | 1001014 | 18 x 24 | 1001824 |
| 6 x 10   | 100610   | 10 x 16 | 1001016 | 18 x 30 | 1001830 |
| 6 x 12   | 100612   | 10 x 18 | 1001018 | 20 x 20 | 1002020 |
| 6 x 14   | 100614   | 10 x 24 | 1001024 | 20 x 24 | 1002024 |
| 6 x 16   | 100616   | 10 x 26 | 1001026 | 22 x 24 | 1002224 |
| 6 x 18   | 100618   | 10 x 30 | 1001030 | 24 x 24 | 1002424 |
| 6 x 24   | 100624   | 11 x 14 | 1001114 | 24 x 30 | 1002430 |
| 6 x 26   | 100626   | 11 x 15 | 1001115 | 24 x 36 | 1002436 |
| 6 x 30   | 100630   | 12 x 12 | 1001212 | 30 x 24 | 1003024 |
| 6.5 x 10 | 1006.510 | 12 x 14 | 1001214 |         |         |
| 6.5 x 16 | 1006.516 | 12 x 16 | 1001216 |         |         |

- 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.

### 3M SCC 1000 Open Top



### 3M SCC 1000 ZipTop



## 3M™ Static Shielding Bag SCC 1000 ZipTop™

### Recloseable Static Shielding Bag ~ Metal-In

| W"x L" | P/N    | W" x L" | P/N     | W" x L" | P/N     |
|--------|--------|---------|---------|---------|---------|
| 2 x 3  | 30023  | 6 x 24  | 300624  | 11 x 15 | 3001115 |
| 3 x 3  | 30033  | 6 x 30  | 300630  | 12 x 12 | 3001212 |
| 3 x 5  | 30035  | 7 x 15  | 300715  | 12 x 16 | 3001216 |
| 4 x 4  | 30044  | 8 x 8   | 30088   | 12 x 18 | 3001218 |
| 4 x 6  | 30046  | 8 x 10  | 300810  | 14 x 18 | 3001418 |
| 4 x 8  | 30048  | 8 x 12  | 300812  | 15 x 18 | 3001518 |
| 4 x 24 | 300424 | 9 x 12  | 300912  | 16 x 24 | 3001624 |
| 4 x 30 | 300430 | 10 x 10 | 3001010 | 18 x 18 | 3001818 |
| 5 x 8  | 30058  | 10 x 12 | 3001012 | 18 x 24 | 3001824 |
| 5 x 10 | 300510 | 10 x 14 | 3001014 | 20 x 24 | 3002024 |
| 6 x 8  | 30068  | 10 x 24 | 3001024 | 24 x 24 | 3002424 |
| 6 x 10 | 300610 | 10 x 30 | 3001030 |         |         |

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100(W")(L")

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98-0799-1068-7

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