

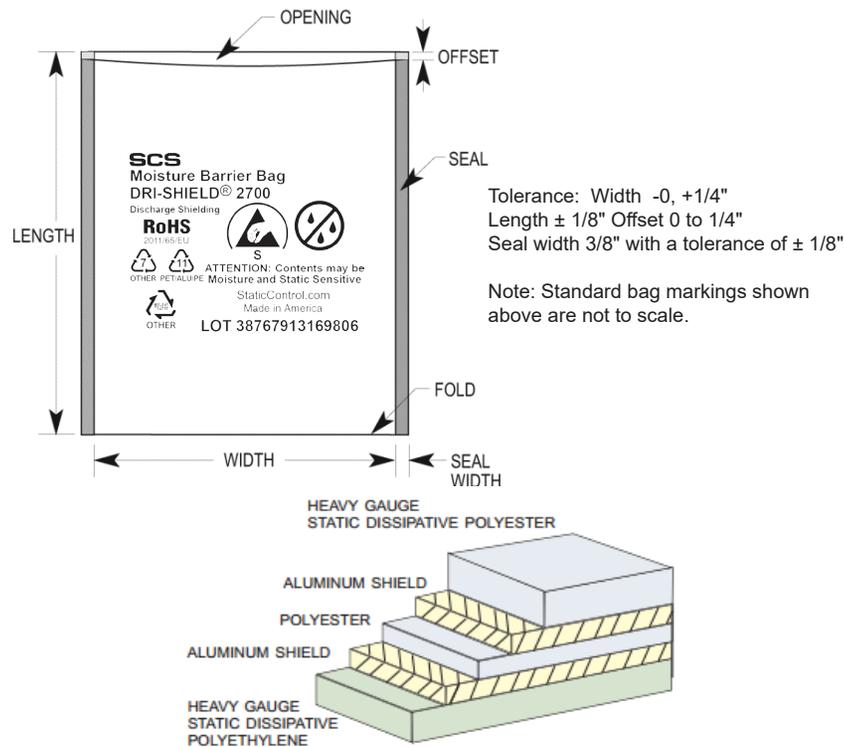
# Moisture Barrier Bag Dri-Shield® 2700

Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 Level 3 (except Transparency)



This aluminized moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. A stronger polyester layer helps to prevent sharp trays from puncturing the bag. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD and moisture warning symbols and a lot code for traceability.

SCS Moisture Barrier Bags Dri-Shield® 2700 are manufactured from a laminate of multiple layers of aluminized polyester and polyethylene. Polyester provides puncture resistance. Metal layers are intended to provide shielding of Electrostatic Discharge (ESD) and to help minimize the penetration of electric field.



| Physical                                | Typical Value                                      | Testing Method            |
|---|--|---------------------------|
| Moisture Vapor Transmission Rate (MVTR) | ≤ 0.030 grams/100 sq. in./24 hrs                   | MIL-STD-3010C Method 3030 |
| Tensile Strength                        | 6550 PSI, 45 MPa                                   | ASTM D882                 |
| Puncture Resistance                     | 30 lbs, 133 N                                      | MIL-STD-3010 Method 2065  |
| Seal Strength                           | 20 lbs, 89 N                                       | ASTM D882                 |
| Thickness                               | 7 mils, 0.007" ±10%                                | MIL-STD-3010 Method 1003  |
| Marking Adhesion                        | Pass   | IPC-TM-650 2.4.1          |
| Electrical                              | Typical Value                                      | Testing Method            |
| ESD Shielding                           | <10 nJ   | ANSI/ESD STM11.31         |
| Surface Resistance - Interior           | 1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms | ANSI/ESD STM11.11         |
| Surface Resistance - Exterior           | 1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms | ANSI/ESD STM11.11         |
| EMI Attenuation                         | 45 dB  | 1 to 10 GHz               |
| Cleanliness                             | Typical Value                                      | Testing Method            |
| Silicone                                | Not Detected                                       | FTIR                      |
| Heat Sealing Conditions                 | Typical Value                                      |                           |
| Temperature                             | 400°F, 204°C                                       |                           |
| Time                                    | 0.6 – 4.5 seconds                                  |                           |
| Pressure                                | 30 – 70 PSI, 206 – 482 KPa                         |                           |

Tolerance: Width -0, +1/4"  
Length ± 1/8" Offset 0 to 1/4"  
Seal width 3/8" with a tolerance of ± 1/8"

Note: Standard bag markings shown above are not to scale.

Bag is free of amines, silicones and heavy metals.

This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

**NOTE:** The complete dry package concept of packaging for electronics requires three elements:

[Moisture Barrier Bags](#) - To Protect

[Desiccants](#) - To Absorb Moisture

[Humidity Indicator Cards](#) - To Monitor Performance



Specifications and procedures subject to change without notice.

**RoHS 3, REACH, and Conflict Minerals Statement**  
None of the RoHS 3 restricted materials or REACH substances of very high concern as of 2017/07/07, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [SCS Warranty, Limitation of Liability and Remedies](#)

## DRI-SHIELD® 2700 MOISTURE BARRIER BAG

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**DRAWING NUMBER**  
Dri-Shield® 2700

**DATE**  
October 2017

