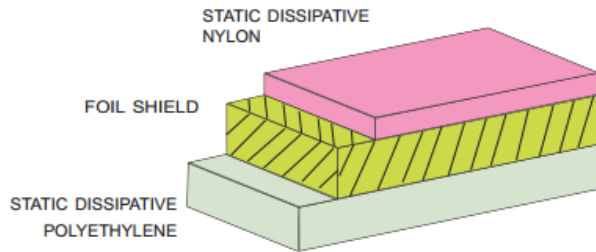
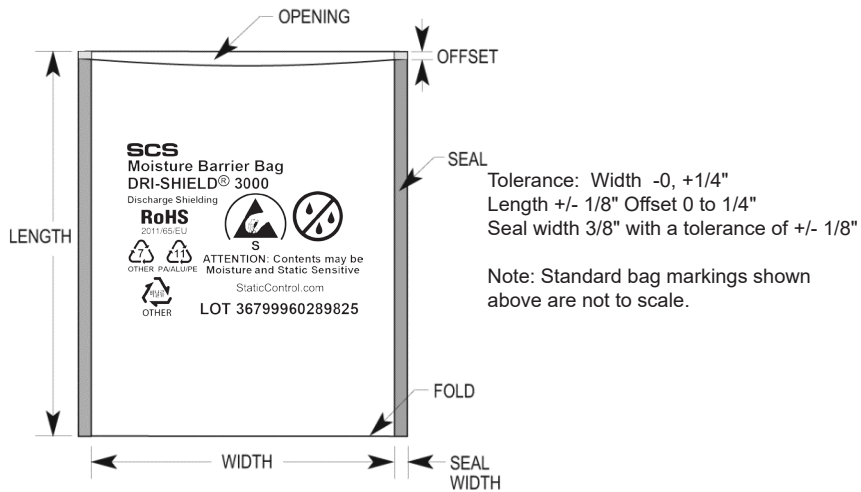


Moisture Barrier Bag Dri-Shield® 3000

This foil moisture barrier bag provides protection for ESD sensitive and moisture sensitive electronics, typically SMT (Surface Mount Technology) items. Best practice is to use with Desiccant and a Humidity Indicator Card. A nylon layer helps to strengthen the bag. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD protective and moisture sensitive warning symbols, and a lot code for traceability.

SCS Moisture Barrier Bags Dri-Shield® 3000 are manufactured from a laminate of nylon, foil, and polyethylene. The metal layer provides discharge shielding and minimizes the penetration of electric fields and electrostatic discharges.



SCS Moisture Barrier Bags are packaged in a polyethylene bag.

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](#)

Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, Static Control Bag ANSI/ESD S11.4 Level 1, and IPC/JEDEC J-STD-033.



| Physical | Typical Value | Testing Method |
|---|--|--|
| Moisture Vapor Transmission Rate (MVTR) | ≤ 0.0003 grams/100 sq. in./24 hrs ≤ 0.002 grams/100 sq. in./24hrs | ASTM F1249 ASTM F392 condition E and ASTM F2149 |
| Tensile Strength | 3800 PSI, 26 MPa | ASTM D882 |
| Puncture Resistance | 16 lbs, 71 N | MIL-STD-3010C Method 2065 |
| Seal Strength | 15 lbs, 66 N | ASTM D882 |
| Thickness | 6 mils, 0.006" +/-10% | MIL-STD-3010C 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 ⁴ to < 1 x 10 ¹¹ ohms | ANSI/ESD STM11.11 |
| Surface Resistance - Exterior | 1 x 10 ⁴ to < 1 x 10 ¹¹ 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 | |

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

Made in the United States of America with Globally Sourced Materials.

Specifications and procedures subject to change without notice.

DRI-SHIELD® 3000 MOISTURE BARRIER BAG

926 JR Industrial Drive, Sanford, NC 27332
WEB SITE: StaticControl.com
PHONE (919) 718-0000

DRAWING NUMBER
Dri-Shield® 3000

DATE
October 2017

