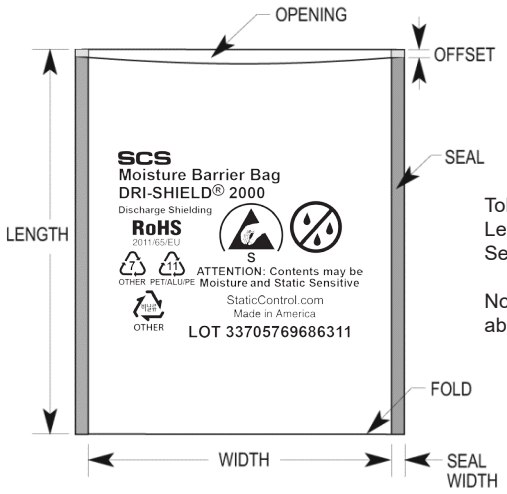
Moisture Barrier Bag Dri-Shield® 2000

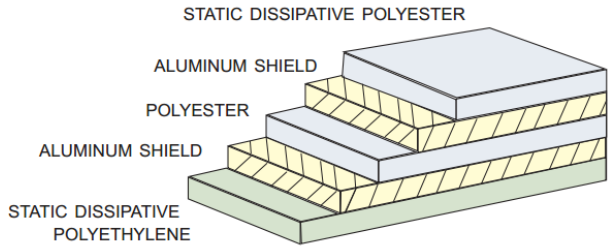
This aluminized moisture barrier bag is designed to provide packaging for ESD and moisture sensitive items, both inside and outside an ESD protected area. The bags are heat sealable and suitable for vacuum packaging. Bags are printed with ESD and moisture warning symbols and a lot code for traceability.

SCS Moisture Barrier Bags Dri-Shield® 2000 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 while providing moisture protection.



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.



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

Made in the United States of America

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

Physical	Typical Value	Testing Method
Moisture Vapor Transmission Rate (MVTR)	≤0.035 grams/100 sq. in./24 hrs	MIL-STD-3010C Method 3030
Tensile Strength	7800 PSI, 54 MPa	ASTM D882
Puncture Resistance	20 lbs, 89 N	MIL-STD-3010 Method 2065
Seal Strength	15 lbs, 66 N	ASTM D882
Thickness	3.6 mils, 0.0914 mm ±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	1×10^4 to $< 1 \times 10^{11}$ ohms	ANSI/ESD STM11.11
Surface Resistance - Exterior	1×10^4 to $< 1 \times 10^{11}$ 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	300°F - 400°F, 140°C - 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

Specifications and procedures subject to change without notice.

DRI-SHIELD® 2000 MOISTURE BARRIER BAG

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

DRAWING NUMBER
Dri-Shield® 2000

DATE
October 2017