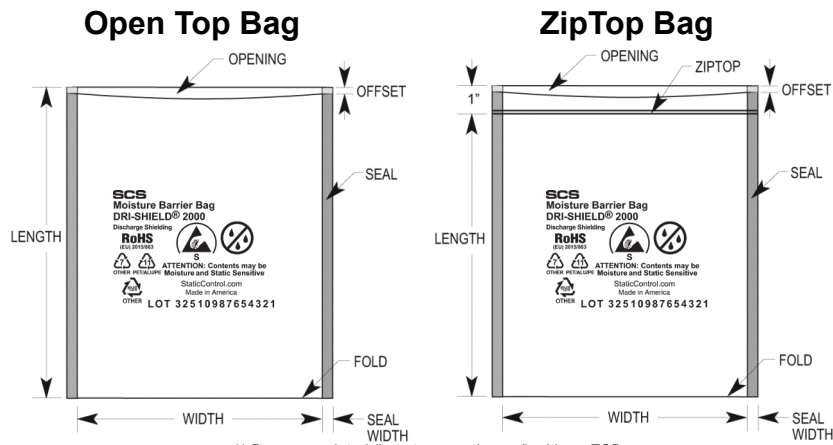


# Moisture Barrier Bag Dri-Shield® 2000

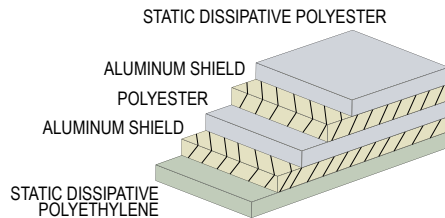
This aluminized moisture barrier bag is designed to provide packaging for ESD and moisture sensitive items, both inside and outside an ESD protected area. Bags are printed with ESD and moisture warning symbols and a lot code for traceability.

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.



\*\* Bags are printed (hot stamp or thermal) with an ESD protective symbol and a lot code for traceability. \*\*

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



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 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

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

Unless otherwise noted, ±10%

\*\* MVTR value obtained from standard flat pouch with heat sealed opening \*\*

Specifications and procedures subject to change without notice.

## DRI-SHIELD® 2000 MOISTURE BARRIER BAG

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**DRAWING NUMBER**  
 Dri-Shield® 2000

**DATE**  
 March 2025

