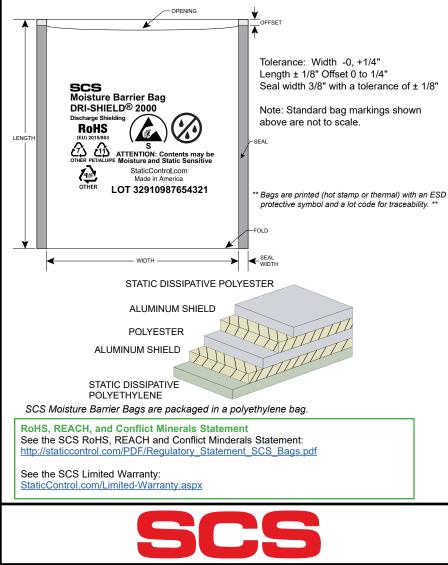
Moisture Barrier Bag Dri-Shield® 2000

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.



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 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	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%

Specifications and procedures subject to change without notice.

DRI-SHIELD® 2000 MOISTURE BARRIER BAG

926 JR Industrial Drive, Sanford, NC 27332	DRAWING	DATE
WEB SITE: <u>StaticControl.com</u>	NUMBER	September
PHONE (919) 718-0000	Dri-Shield® 2000	2021
	DII-Shield [®] 2000	2021