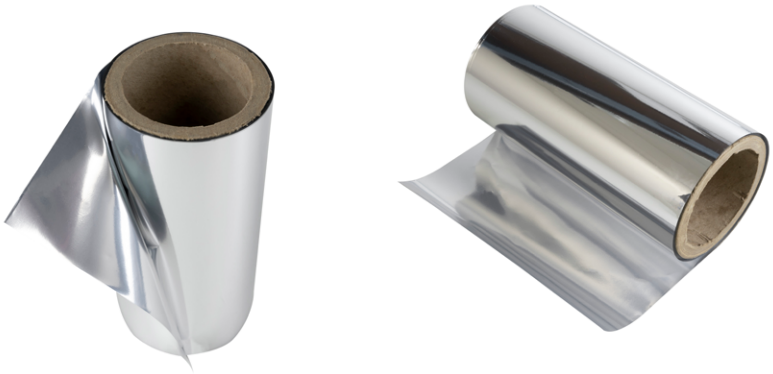
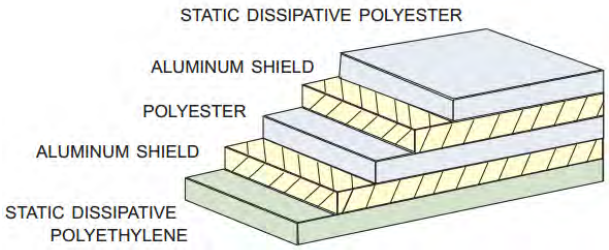
Moisture Barrier Film Dri-Shield® 2000

This aluminized moisture barrier film is designed to provide packaging for ESD and moisture sensitive items, both inside and outside an ESD protected area. The film is heat sealable and suitable for vacuum packaging.

SCS Moisture Barrier Film Dri-Shield® 2000 is a laminate of multiple layers of aluminized polyester and polyethylene. Polyester provides puncture resistance. Metal layers provide Electrostatic Discharge (ESD) shielding and help protect converted bag contents from electric field penetration and moisture.





Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541

Made in the United States of America

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
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	

Film is free of amines, silicones and heavy metals.

RoHS, REACH, and Conflict Minerals Statement
See the DESCO INDUSTRIES INC RoHS, REACH and Conflict Minderals Statement:

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

Moisture Barrier Film - To Protect

Desiccants - To Absorb Moisture

Humidity Indicator Cards - To Monitor Performance

Tolerance: Width ± 1/8"; Length ± 10%
Unless otherwise noted, ±10%
Specifications and procedures subject to change without notice.

DRI-SHIELD® 2000 MOISTURE BARRIER FILM

DRAWING NUMBER	DATE
Dri-Shield® 2000	September 2019

SCS

1.888.610.7664 www.calcert.com sales@calcert.com