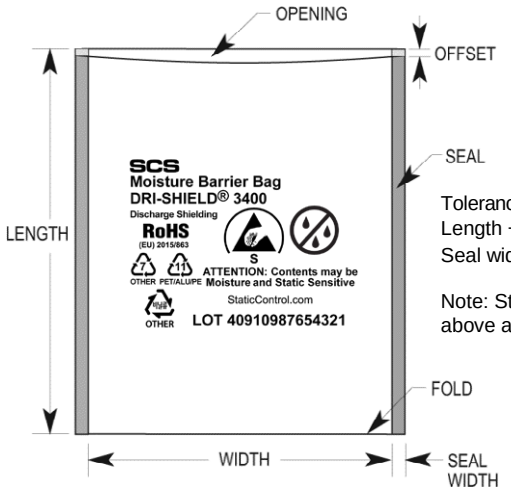
Moisture Barrier Bag Dri-Shield® 3400

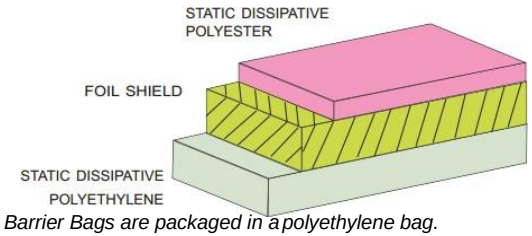
This foil moisture barrier bag is designed to provide protection for ESD sensitive and moisture sensitive electronics, typically SMT (Surface Mount Technology) items. Best practice is to use with Desiccant and a Humidity Indicator Card. The bags are heat sealable and suitable for vacuum packaging. Bags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

SCS Moisture Barrier Bags Dri-Shield® 3400 are manufactured from a laminate of polyester, foil, and polyethylene. The metal layer is intended to provide discharge shielding and to minimize the penetration of electric fields and electrostatic discharges.



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, REACH, and Conflict Minerals Statement
See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:
DescoIndustries.com/ROHS3.aspx

See the SCS Limited Warranty:
StaticControl.DescoIndustries.com/Limited-Warranty.aspx

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./24 hrs	ASTM F1249 ASTM F392 condition E and ASTM F2149
Tensile Strength	6000 PSI, 41 MPa	ASTM D882
Puncture Resistance	20 lbs, 88 N	MIL-STD-3010 Method 2065
Seal Strength	15 lbs, 66 N	ASTM D882
Thickness	4 mils, 0.1016 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	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:

https://www.texastechnologies.com/packaging-foil-2/moisture-barrier-bags/- To Protect

Humidity Indicator Cards - To Monitor Performance

https://www.texastechnologies.com/desiccants-hic/desiccants/ - To Absorb Moisture

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

Specifications and procedures subject to change without notice.

DRI-SHIELD® 3400 MOISTURE BARRIER BAG

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DRAWING NUMBER	DATE
Dri-Shield® 3400	September 2019

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