

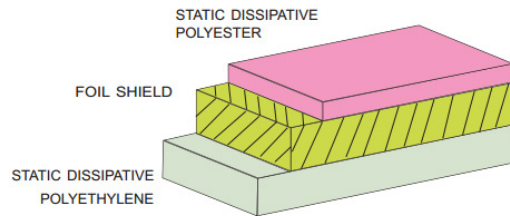
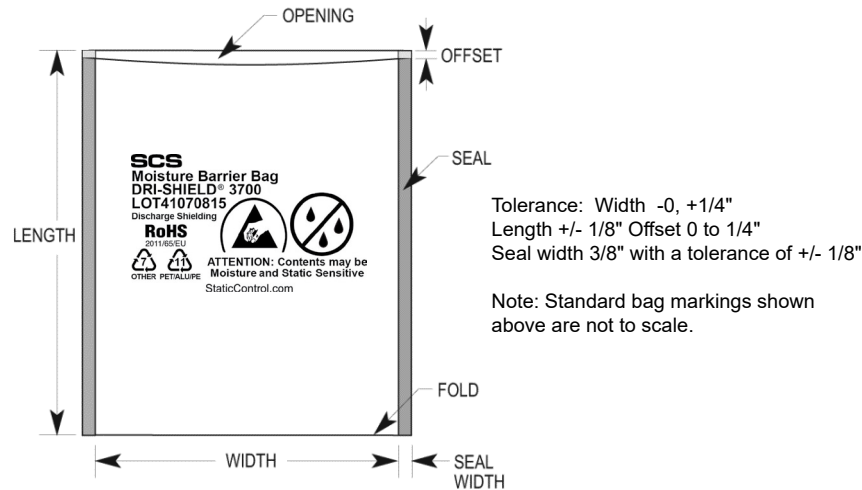
# Moisture Barrier Bag Dri-Shield® 3700

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.



This foil moisture barrier bag provides superior 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® 3700 are manufactured from a laminate of polyester, foil, and polyethylene. The metal layer provides discharge shielding and minimizes the penetration of electric fields and electrostatic discharges.



SCS Moisture Barrier Bags are packaged in a polyethylene bag.

**RoHS 2, REACH, and Conflict Minerals Statement**  
None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2017/01/12, 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](#)

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	9900 PSI, 68 MPa	ASTM D882
Puncture Resistance	25 lbs, 111 N	MIL-STD-3010C Method 2065
Seal Strength	15 lbs, 66 N	ASTM D882
Thickness	4.2 mils, 0.1067 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
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:  
[Moisture Barrier Bags](#) - To Protect  
[Desiccants](#) - To Absorb Moisture  
[Humidity Indicator Cards](#) - To Monitor Performance

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

Specifications and procedures subject to change without notice.

DRI-SHIELD® 3700 MOISTURE BARRIER BAG		
926 JR Industrial Drive, Sanford, NC 27332 WEB SITE: <a href="http://StaticControl.com">StaticControl.com</a> PHONE (919) 718-0000	<b>DRAWING NUMBER</b> Dri-Schield 3700	<b>DATE</b> April 2017

