

# Moisture Barrier Bag Dri-Shield® 2700

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



This aluminized moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. A stronger polyester layer helps to prevent sharp trays from puncturing the bag. 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® 2700 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.

Physical	Typical Value	Testing Method
Moisture Vapor Transmission Rate (MVTR)	≤ 0.030 grams/100 sq. in./24 hrs	MIL-STD-3010C Method 3030
Tensile Strength	6550 PSI, 45 MPa	ASTM D882
Puncture Resistance	30 lbs, 133 N	MIL-STD-3010 Method 2065
Seal Strength	20 lbs, 89 N	ASTM D882
Thickness	7 mils 0.007" +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.

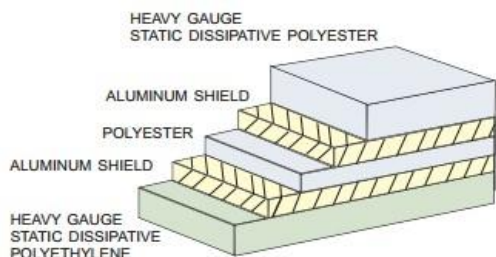
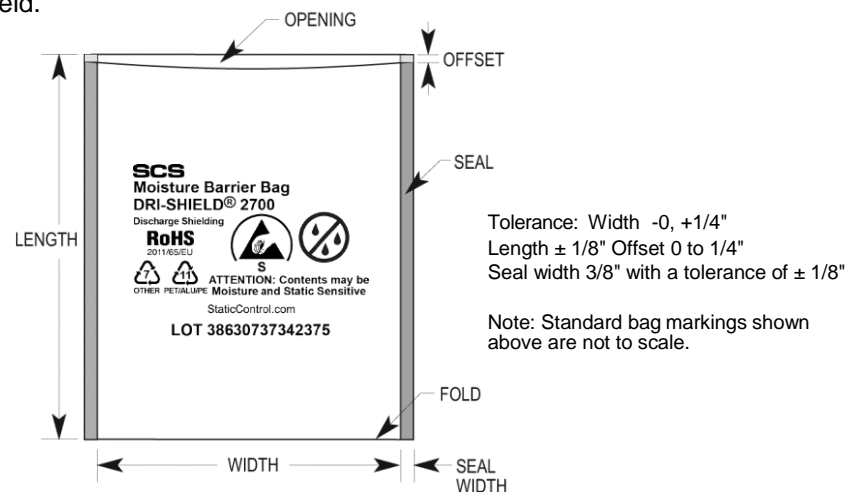
This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program.

**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.



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](#)

### DRI-SHIELD® 2700 MOISTURE BARRIER BAG

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**DRAWING NUMBER**  
 Dri-Shield® 2700

**DATE**  
 April 2017

# TEXAS TECHNOLOGIES