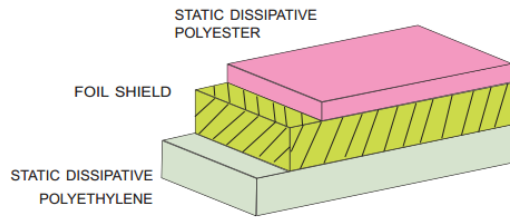


# Moisture Barrier Film Dri-Shield® 3700

This foil moisture barrier film 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 film is heat sealable and suitable for vacuum packaging.

SCS Moisture Barrier Film Dri-Shield® 3700 is 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.



Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541 and Dry Packing requirements for J-STD-033D



Physical	Typical Value	Testing Method
Moisture Vapor Transmission Rate (MVTR)	≤ 0.0003 grams/100 sq. in./24 hrs ≤ 0.00035 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
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	

Film is free of amines, silicones and heavy metals.

**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

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

DRI-SHIELD® 3700 MOISTURE BARRIER FILM		
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-Shield 3700	<b>DATE</b> October 2019

**RoHS, REACH, and Conflict Minerals Statement**  
 See the DESCO INDUSTRIES INC RoHS, REACH and Conflict Minerals Statement:  
[Descoindustries.com/ROHS3.aspx](http://Descoindustries.com/ROHS3.aspx)  
 See the SCS Limited Warranty:  
[StaticControl.com/Limited-Warranty.aspx](http://StaticControl.com/Limited-Warranty.aspx)

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

