Sizes on Page 2

Dri-Shield 3400™

Moisture Barrier Bag ~ Foil

SCC's Dri-Shield 3400 Moisture Barrier Bag is designed for dry packaging of electronic devices. Dri-Shield 3400 bags are made from a high barrier foil structure. Bags protect SMD's from moisture and static damage. Flexible structure is easy to vacuum seal. Lot coded for QC traceability.

Dri-Shield 3400

Moisture Barrier Bag with Humidity Indicator Card and Desiccant

Standards

Meets electrical and physical requirements of IPC/JEDEC J-STD-033, MIL-PRF-81705 Type 1, EIA 583, EIA 541, EIA 625, and EOS/ESD Standards.

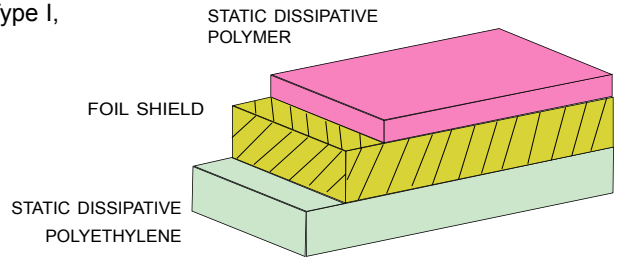
Specifications

Physical Properties:	Typical Values	
MVTR(g/100 sq.in./24 hrs)	<.0003	ASTM F 1249
Puncture Resistance	>20 lbs	FTMS 101 MTH 2065
Thickness	4.0 mils	SCC 008
Tensile Strength	8500 PSI MD	ASTM D-882
	9500 PSI TD	ASTM D-882
Elongation	130 % MD	ASTM D-882
	85 % TD	ASTM D-882
Seam Strength	Pass	MIL-PRF-81705
Heat Sealing Conditions:		
Temperature	300°F - 400°F	
Time	0.6 - 4.5 seconds	
Pressure	30 - 70 PSI	

Electrical Properties:		
Surface Resistivity / Resistance	ASTM D257	or ANSI/ESD STM11.11
Interior	$<10^{12}$ ohms/square	or $<10^{11}$ ohms
Exterior	$<10^{12}$ ohms/square	or $<10^{11}$ ohms
Metal	100 ohms	
Static Shielding	< 30 volts	EIA 541
Static Shielding	< 20 nJ	EOS/ESD S11.31
EMI Attenuation	45 dB	MIL-PRF-81705

Material Structure

4 mils of static dissipative polymer, aluminum foil, and static dissipative polyethylene provide a very low MVTR. This foil barrier material meets or exceeds the MVTR and EMI/RFI/Static Shielding requirements of IPC/JEDEC J-STD-033 MIL-PRF-81705 Type I, and EIA 583, for static safe, moisture barrier packaging.



See SCC Data Sheets for these related items:

- Humidity Indicator Cards (HIC's)
- Desiccant
- 113 Label
- Vacuum Sealers

P R O D U C T D A T A S H E E T

Dri-Shield 3400 Moisture Barrier Bag FOIL

PRODUCT	ITEM NUMBER	DATASHEET
MOISTURE BARRIER BAG, FOIL	D34(W")(L")	1161-B

STATIC CONTROL COMPONENTS, INC.
ESD PRODUCTS DIVISION

US and Canada: **866-722-3736**
Fax: 866-722-3735
Intl: 919-774-3808
Fax: 919-774-1287
3010 Lee Avenue Sanford, NC 27330
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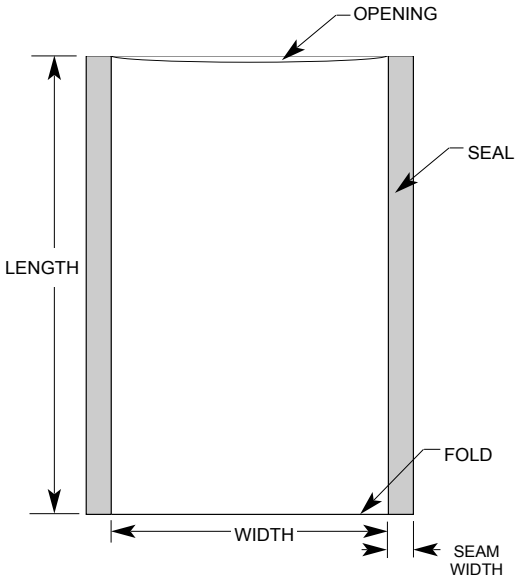
Dri-Shield 3400™

Moisture Barrier Bag ~ Foil

W"x L" P/N

Please Inquire

Dri-Shield 3400



- All standard sizes in-stock/same day shipment.
- Width is measured from inside seam to inside seam.
- Length is measured from the top edge to the bottom fold.
- Opening is in the "width" dimension.
- Custom bag sizes, custom printing, and custom hot stamping are available.
- Most sizes are packed 100 per case. Small sizes are packed 1000 or 500 per case.

How Moisture Barrier Bags Work

Moisture barrier bags work by enclosing a device with a metal or plastic shield(s) that has a high resistance to moisture vapor permeation. Dry devices are placed inside this shield, and the moisture-laden air is evacuated. Desiccant filled pouches scavenge the remaining moisture from the bag's interior. Moisture that penetrates the bag is also entrapped by the desiccant. Humidity indicating cards report the effectiveness of the package upon device use. A label on the bag indicates the amount of exposure time devices are allowed prior to use, and the drying (re-baking) time and temperature if the exposure time is exceeded.

As the barrier property improves, the Moisture Vapor Transmission Rate (MVTR) decreases. Bags with lower MVTR provide better barrier. Aluminum foil provides the best MVTR of about 0.0003. Multiple layers of Foil Polyester can provide 0.02 to about 0.005.

Puncture Resistance is an important feature for barrier bags. Sharp tray edges may tear through bags with low puncture resistance.

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