



# PRODUCT BULLETIN # 20543

Generic Copy

Issue Date: 11-Jul-2014

**TITLE:** Change in Shipping Bag

**PROPOSED FIRST SHIP DATE:** 11-Jul-2014

**AFFECTED CHANGE CATEGORY(S):** Shipping

## FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or <[Rebecca.Turner@onsemi.com](mailto:Rebecca.Turner@onsemi.com)>

## NOTIFICATION TYPE:

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact <[quality@onsemi.com](mailto:quality@onsemi.com)>.

## DESCRIPTION AND PURPOSE:

Change from poly shipping bag to foil shipping bag for production wafers. New bag suggested for Gresham is the same bag as is used in Pocatello. The new bag is a standard shipping bag for ON Semi and meets all of ON Semi's internal specs.

## Old vs. New Bag Specs:

General				
Item Number	See Matrix			
Description	Clean Room Bags for Wafer Shippers			
Revision	F			
<b>Matrix</b>				
Item Number	Application	Material	Size	Package Qty
ES-100-F	100mm Ultra-thin	Poly	5.7" x 8.8" x 14"	50 pieces
ES-100-F	100mm Ultra-thin	Laminate	5.7" x 8.8" x 14"	50 pieces
ES-125-F	125mm Ultra-thin	Poly	6.7" x 9.5" x 15.5"	100 pieces
ES-125-F	125mm Ultra-thin	Laminate	6.7" x 9.5" x 15.5"	100 pieces
ES-150-F	150mm Ultra-thin	Poly	8.7" x 11.5" x 18"	50 pieces
ES-150-F	150mm Ultra-thin	Laminate	8.7" x 11.5" x 18"	50 pieces
ES-200-F	200mm Ultra-thin	Poly	11.5" x 17" x 24"	25 pieces
ES-200-F	200mm Ultra-thin	Laminate	11.5" x 17" x 24"	25 pieces
ES-300-F	300mm Ultra-thin	Poly	14.5" x 20.5" x 32"	10 pieces
ES-300-F	300mm Ultra-thin	Laminate	14.5" x 20.5" x 32"	10 pieces
ES-300-F	300mm PDS	Laminate	17.0" x 26.0"	10 pieces
<b>Material</b>				
Poly:	Pink Poly A/S film Thickness: 6.0 mils ± 0.3 mils WTR: 0.180 g/100 in/24 hrs Surface Resistivity: <10 <sup>10</sup> OHMS/SQ.			
Laminate:	A laminated film of Poly/Aluminum/nylon Thickness: 4.0 mils ± 0.4 mils WTR: 0.0006 g/100 in/24 hrs			
<b>Other</b>				
Cleanliness:	Bags are cleanroom compatible and meet JEDEC-STD-1340 Level 5S.			
Packaging:	Packing and packaging shall be sufficient to afford adequate protection against contamination, deterioration, and/or physical damage during shipping and storage.			

**Summary Sheet**

**DRYLOK® 3000**  
Static Shielding/  
Moisture Barrier Bag

Our DRYLOK® 3000 Static Shielding/Moisture Barrier Bag is engineered to protect contents from electrostatic shock and moisture. Its 6-mil construction prevents punctures, safeguards static- and moisture-sensitive devices during transport and storage, and helps ensure that vacuum is maintained for up to 2 years.

DRYLOK® 3000 bags are available in several standard sizes designed to contain wafer boxes, tubes and 12" shipping nests and custom sizes can be made to fit the needs of nearly any project. When used with the Aluminum® Desiccant and Humidity Indicator Cards, the DRYLOK® 3000 bags provide superior protection for static- and moisture-sensitive devices.

- 6.1 mil thick static dissipative nylon, aluminum foil, and static dissipative polyethylene provide a very low ESD/ESD.
- Meets requirements of EIA-617 and JEDEC J-STD-033

**Construction**  
DRYLOK® 3000 bags are constructed from a 6-mil thick static dissipative nylon, aluminum foil, and static dissipative polyethylene. The inner layer is a 3-mil thick static dissipative nylon, the middle layer is a 3-mil thick aluminum foil, and the outer layer is a 3-mil thick static dissipative polyethylene. The bags are constructed with a 3-mil thick static dissipative nylon, the middle layer is a 3-mil thick aluminum foil, and the outer layer is a 3-mil thick static dissipative polyethylene. The bags are constructed with a 3-mil thick static dissipative nylon, the middle layer is a 3-mil thick aluminum foil, and the outer layer is a 3-mil thick static dissipative polyethylene.

**Typical Bag Configuration**

**What's in the Shipping Bag**

We recommend that DRYLOK® 3000 bags be used within 2 years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 32°C to 100°C (85°F to 212°F) and relative humidity is 65% to 95%.

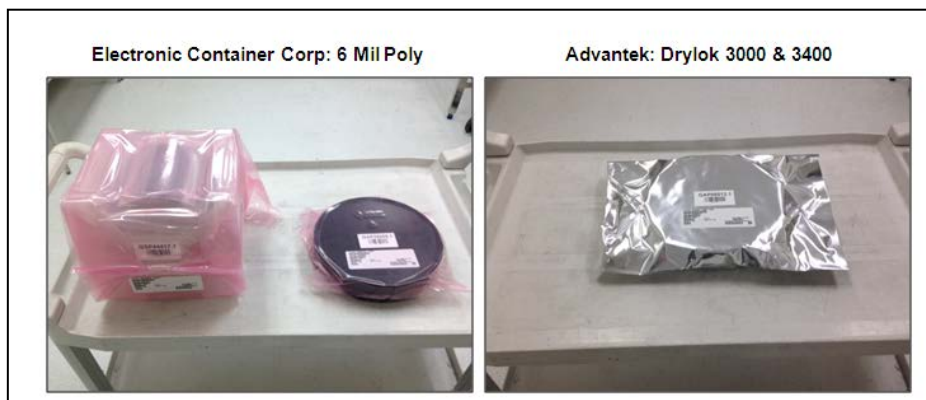
Property	Typical Value	Test Method/Standard
Thickness	6.1 mils ± 0.3	N/A
Puncture Resistance	17 lbs.	1700S, 511, 511-1000
Tensile Strength	100 lbs.	MS, 100, 100-1000
ESD	<1000 ohms	ESD100, 1000
Heat Sealing Conditions	220°C, 400 psi	N/A
ESD	ESD 100, 1000	N/A

Property	Typical Value	Test Method/Standard
Surface Resistance	<10 <sup>10</sup> ohms/sq	ESD100, 1000
Volume Resistance	<10 <sup>12</sup> ohms-cm	ESD100, 1000
Heat Sealing	220°C, 400 psi	N/A
Static Shielding	ESD 100, 1000	N/A

Note: These values were determined from random samples taken from production material, and may be subject to change without notice. We do not warrant the performance of these products, and we do not warrant the performance of these products, and we do not warrant the performance of these products.


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**Old vs. New Bag Images (no change in shipping label content):**



**List of affected General Parts:**

GDA00P8-L020-ENG	PC-GFA004F-L03J	PC-GFA005W-L049	XC-GFA002T-L021
GFA002D-L01R-ENG	PC-GFA004H-L03K	PC-GFA005X-L04A	XC-GFA002U-L022
GFA002E-L01S-ENG	PC-GFA004J-L03L	PC-GFA0061-L04B	XC-GFA002W-L024
PC-GFA003Q-L02U	PC-GFA004M-L03M	PC-GFA0062-L04C	XC-GFA0032-L028
PC-GFA003U-L02Y	PC-GFA004R-L03N	PC-GFA0064-L04E	XC-GFA0033-L029
PC-GFA003V-L02Z	PC-GFA004S-L03P	PC-GFA006B-L04K	XC-GFA0036-L02C
PC-GFA003W-L030	PC-GFA004T-L03Q	PC-GFA006J-L04M	XC-GFA0038-L02D
PC-GFA003X-L031	PC-GFA004U-L03R	PC-GFA006K-L04N	XC-GFA003B-L02J
PC-GFA003Z-L033	PC-GFA004V-L03S	PC-GFA006L-L04P	XC-GFA003C-L02K
PC-GFA0041-L034	PC-GFA004W-L03T	PC-GFA006M-L04Q	XC-GFA003D-L02G
PC-GFA0043-L036	PC-GFA0057-L03W	PC-GFA006P-L04S	XC-GFA003E-L02H
PC-GFA0046-L039	PC-GFA005B-L03X	PC-GFA006Q-L04T	XC-GFA003G-L02M
PC-GFA0047-L03A	PC-GFA005C-L03Y	PC-GFA006S-L04U	XC-GFA003K-L02P
PC-GFA0048-L03B	PC-GFA005F-L03Z	PC-GFA006T-L04V	XC-GFA003L-L02Q
PC-GFA004A-L03D	PC-GFA005J-L041	PC-GFA0073-L04W	XC-GFA003P-L02T
PC-GFA004D-L03G	PC-GFA005K-L042	XC-GFA002E-L01S	XC-GFB0035-L02B
PC-GFA004E-L03H	PC-GFA005R-L046		


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**List of affected Customer Specific Parts:**

21036-900-EPW	21489-900-EPW	B25-810M13-4N1-P	GFA004U-L03R-PRD
21042-001-XWF	21489-901-EPW	DA00M21Y	GFA005B-L03X-PRD
21084-001-XWF	21498-900-EPW	DL003M33M00	GFA005J-L041-PRD
21135-900-EPW	21501-900-EPW	GFA002S-L017-PRD	GFA005K-L042-PRD
21265-001-XWF	21553-900-EPW	GFA002Z-L026-PRD	GFA005R-L046-PRD
21265-002-XWF	21559-900-EPW	GFA0034-L02A-PRD	GFA005W-L049-PRD
21265-900-EPW	21562-900-EPW	GFA003F-L02L-PRD	GFA0064-L04E-PRD
21265-901-EPW	21562-901-EPW	GFA003J-L02N-PRD	GFA006M-L04Q-PRD
21265-902-EPW	21563-900-EPW	GFA0046-L039-PRD	GFA006Q-L04T-PRD
21368-900-EPW	21572-900-EPW	GFA0049-L03C-PRD	GFA0075-L04Y-PRD
21382-001-XWF	21599-901-EPW	GFA004B-L03E-PRD	GFA0079-L04Z-PRD
21439-900-EPW	61015W-ND	GFA004H-L03K-PRD	M3D888817
21452-900-EPW	61031W	GFA004M-L03M-PRD	XC-GFA0039-L02E
21465-900-EPW			