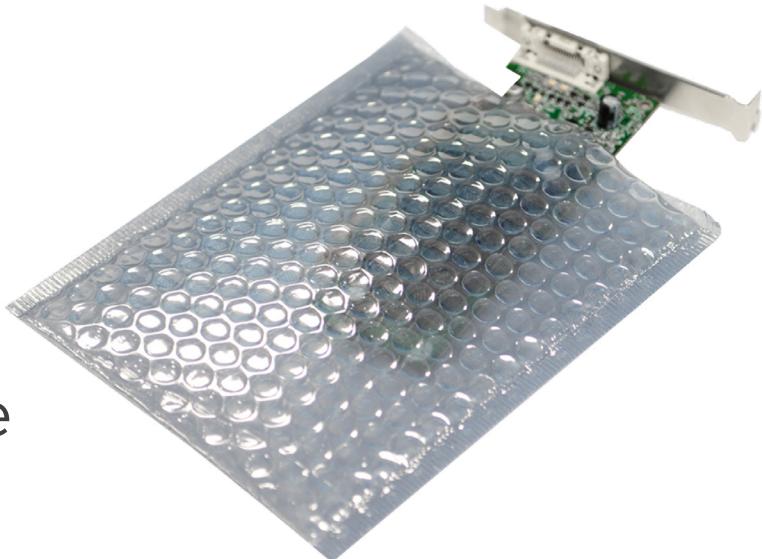


## PRODUCT

# Static Shielding Bubble Bags

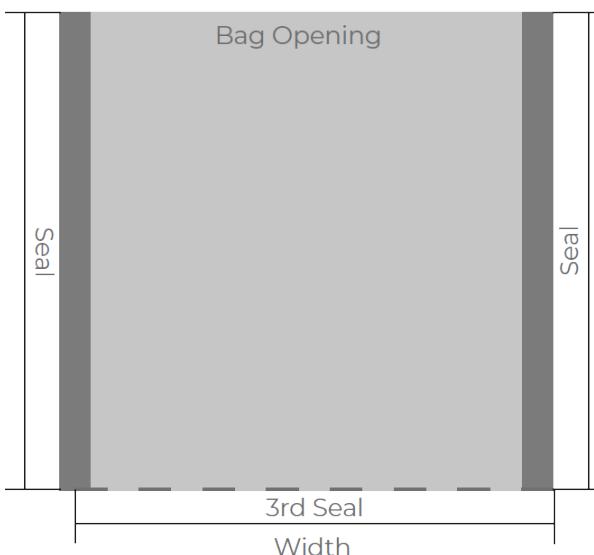
### TECHNICAL DATASHEET



### DESCRIPTION

The lamination of an ESD, transparent, static shielding film to an antistatic polyethylene bubble wrap combines both antistatic and physical protection.

The outer layer is an ESD transparent static shielding film. This material forms a Faraday cage around the product, offering superior static shielding protection, while the inner layer of pink antistatic bubblewrap gives excellent physical protection.



### FEATURES

- Provides 'Faraday Cage' protection against ESD
- Semi transparent finish
- This durable product is reusable, protecting both your product and the environment

### CONFIGURATIONS

Bags are offered heat sealed along the three edges.

### NOTES

- Supports EN 61340-5-1 and can be used as part of an ANSI/ESD S20.20 program.
- Amine Free

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## TEST CONDITIONS

The following results were taken under the following environmental test conditions:

Temperature: 22.3°C / Humidity: 47.5%

TECHNICAL PROPERTIES	TEST METHOD	TYPICAL VALUES
Film Composition	N/A	PET-AI/PP
Outer layer Thickness	Micron Meter	7 micron
Bubble layer Thickness	Micron Meter	60 micron
Inner layer	Micron Meter	35 micron
Puncture Strength	FTMS 101	14lbs
Tensile Strength	ASTM D882	35lbs/inch width
Light Transmission	ASTM D1003	41%
Interior Surface resistivity	ASTM D257	10 <sup>8</sup> Ohms
Exterior Surface resistivity	ASTM D257	10 <sup>9</sup> Ohms
Metallized Layer Resistivity	ASTM D257	8 Ohms
Static Decay	EIA-541	0.2secs
Remains Voltage	EIA-541	24V
Physiological clearance certificate of used raw material	Bgvv, Eu, FdA	Yes
Discharge - Shielding	ANSI/ESD STM-11.31	<50 nJ

## TEST CONDITIONS

The following results were taken under the following environmental test conditions:

Temperature: 22.3°C / Humidity: 47.5%

TEST ITEM	TEST METHOD	MEASURED EQUIPMENT(S)	MDL
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2mg/kg
Mercury (hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg
Polybrominated Biphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5mg/kg

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PRODUCT CODE	DESCRIPTION	SIZE (inch)	SIZE (mm)	QUANTITY (per pack)
016-0013	Static Shielding Bubble Bag	3 x 5	76 x 127	100
016-0003	Static Shielding Bubble Bag	4 x 6	102 x 152	100
016-0050	Static Shielding Bubble Bag	4 x 6 + 1.96 lip*	102 x 152 + 50mm lip*	100
016-0025	Static Shielding Bubble Bag	6 x 10	152 x 255	100
016-0052	Static Shielding Bubble Bag	6 x 10 + 1.96 lip	152 x 255 + 50mm lip	100
016-0026	Static Shielding Bubble Bag	8 x 10	203 x 254	100
016-0027	Static Shielding Bubble Bag	10 x 12	254 x 305	100
016-0002	Static Shielding Bubble Bag	12 x 10 (opening on the 12")	305 x 254	100
016-0004	Static Shielding Bubble Bag	12 x 14	305 x 356	100
016-0006	Static Shielding Bubble Bag	12 x 20	305 x 508	100
016-0028	Static Shielding Bubble Bag	14 x 18	406 x 457	100
016-0034	Static Shielding Bubble Bag	16 x 20	406 x 508	100
016-0029	Static Shielding Bubble Bag	18 x 18	457 x 457	100
016-0012	Static Shielding Bubble Bag	4.3 x 7	109 x 177	100

\* No adhesive on lip

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