

Static Shielding Ziplock Bag

ANT013SSB

These open top, easy access static shielding bags are designed to protect sensitive electronic devices against ESD during transit and whilst kept in storage.

Features:

- Metal “Faraday cage” layer shields products from electric energy inside and prevents static build-up
- Four layer protection guards against charges inside and out
- Semi transparent for easy content identification
- Surface resistance of 10⁸-10¹¹ Ohms
- Conforms to EIA 625, EIA 541, ANSI/ESD S-20.20 & EN61340-51-ESD
- Custom sizes and print available on request
- Suitable for packing electronic products which are sensitive to static, eg PCBs, electronic components etc



1 Configuration(s)

Our bags are available in custom sizes or in several industry standard sizes. Bags are offered in a 2-seal configuration and bottom fold, with our standard flexographically printed artwork. Please note any bags that are longer than 24” will have a 3rd seal along the bottom edge. Our bags can also be personalised with your company logo on any bespoke orders.

2 Standard Bag Artwork

Our static shielding bags are produced with the following sample artwork as standard. For further information on bespoke/printed orders, please contact one of our sales team. Please note there is a MOQ of 20,000 bags on all printed bags.

3 Construction

Our static shielding bags are constructed in four layers, consisting of a static dissipative polyester outer layer and a static dissipative polyethylene inner layer with a centre metallised shield layer.

Our bags are manufactured from industry approved polyester and polyethelene laminates. The polyester dielectric works with the metal layer to provide a Faraday effect, the metal layer preventing penetration from damaging electrostatic fields. The specially processed polyethelene keeps tribocharging to a minimum.

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Test Conditions:

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

Temperature: 23°C / Humidity: 12% RH

Technical Parameters:

Item	Test Standard	Result
Film Thickness	Micron Meter	3mils 75 micron
Metal Layer Optical Transmission	ASTM D1003 (TOBIAS)	40% +/- 5% optical density
Surface Resistivity	STM 11.11	>10 ⁶ ohm <10 ¹⁰ ohm/sq
Time For Static Removal	FTMS 101B Method 4046 - 5000-0V	<.0.03 Sec
Static Shielding - Energy Penetration	ESD-STM-11.31 @12% R.H.	<10 nJ
Static Shielding - Capacitive Probe	EIA 541 Appendix E	<10V
Friction Static	E1A541 Appendix C Avg.	Triboelectric nanocoulombs Quartz +0.01 Tefion -0.09
Tensile Strength	ASTM D882-91, Method A	MD 6530 psi TD 5800 psi
Tear Initiation	ASTM D1004 -94-Notched	MD 2.5 lbs./in TD 2.0 lbs
Puncture Resistance	ASTM D3420	>10 psi
Tear Resistance	ASTM D882	>8 psi
Burst Strength	FTMS 101 C Method 2065.1	50 psi nominal
Heat Seal Temperature	-	250 - 375°F
Heat Seal Pressure	-	30-70 PSI
Breaking Elongation Rate	ASTM D882-91 Method A	MD 80% TD 85%
Appearance	GB/96-04-10	No delamination, burst seal, wrinkle, warp, break, foreign particle adherence, air bubble beyond sealing ≤3mm

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Product Code	Description	Size (inches)	Size (mm)	Additional Notes
013-0001	Static Shielding Ziplock Bag	3 x 5	76 x 127	Pack of 100
013-0003	Static Shielding Ziplock Bag	4 x 6	102 x 152	Pack of 100
013-0004	Static Shielding Ziplock Bag	5 x 8	127 x 203	Pack of 100
013-0020	Static Shielding Ziplock Bag	6 x 8	152 x 203	Pack of 100
013-0005	Static Shielding Ziplock Bag	6 x 10	152 x 254	Pack of 100
013-0006	Static Shielding Ziplock Bag	8 x 10	203 x 254	Pack of 100
013-0007	Static Shielding Ziplock Bag	8 x 12	203 x 305	Pack of 100
013-0008	Static Shielding Ziplock Bag	10 x 12	254 x 305	Pack of 100
013-0009	Static Shielding Ziplock Bag	10 x 14	254 x 355	Pack of 100
013-0010	Static Shielding Ziplock Bag	12 x 16	305 x 406	Pack of 100

Note: Other sizes available upon request.



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