

Static Shielding Bag - Gripseal



Description

An anti-static shielding ziplock/gripseal bag providing full protection against ESD. This bag is designed to give ultimate protection against static damage to electronic components and devices whilst being handled in storage and during transportation.

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 10^6 - $10^{10}\Omega/\text{sq}$
- Conforms to EIA 625, EIA 541, ANSI/ESD S-20.20
- Custom sizes and print available on request
- Suitable for packing electronic products which are sensitive to static, eg PCBs, electronic components etc

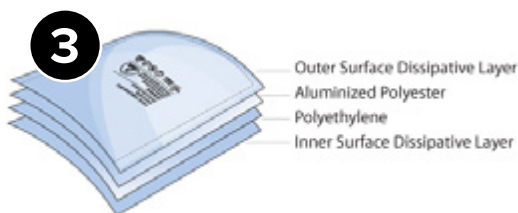


1 Configuration(s)
Our bags are available in custom sizes or in several industry standard sizes.

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.

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.

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 polyethylene 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 polyethylene 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 II.11	$>10^6 \Omega$ $<10^{10} \Omega/\text{sq}$
Time For Static Removal	FTMS 101B Method 4046 - 5000-0V	<.03 Sec
Static Shielding - Energy Penetration	ESD-STM-II.31 @12% R.H.	<10 nJ
Static Shielding - Capacitive Probe	EIA 541 Appendix E	<10V
Friction Static	EIA541 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 $\leq 3\text{mm}$

Product Code	Size (inches)	Size (mm)	Additional Notes	MPN
RND 600-00044	3 x 5	76 x 127	Pack of 100	013-0001
RND 600-00045	4 x 6	102 x 152	Pack of 100	013-0003
RND 600-00046	5 x 8	127 x 203	Pack of 100	013-0004
RND 600-00047	6 x 10	152 x 254	Pack of 100	013-0005
RND 600-00048	8 x 10	203 x 254	Pack of 100	013-0006
RND 600-00049	8 x 12	203 x 305	Pack of 100	013-0007
RND 600-00050	10 x 12	254 x 305	Pack of 100	013-0008
RND 600-00051	6 x 8	152 x 203	Pack of 100	013-0020