

Static Shielding Bags

Description

Static Shielding bags provide a complete static safe environment for the safe storage and transportation of static sensitive devices and printed circuit boards ensuring easy identification as the bags are semi-transparent.

Features

- All bags are 75 microns thick
- Supplied with ESD symbol as standard
- Available open-top or resealable loc-top
- Provide 'faraday cage' for storing and handling static sensitive components/ PCB's when they are outside an electrostatic area
- Semi-transparent for easy identification of component
- Suitable for packing electronic products which are static sensitive

Standards

Meets the requirements of ESD STM11. 31-2006, EIA541, MIL-PRF-81705, ANSI/ESD S20.20 MIL-STD-3010, IEC 61340-5-1 1998, ASTM D 882

Extra Details

Metallised shielding bags can deteriorate with use. Monitoring them for effectiveness is very important.

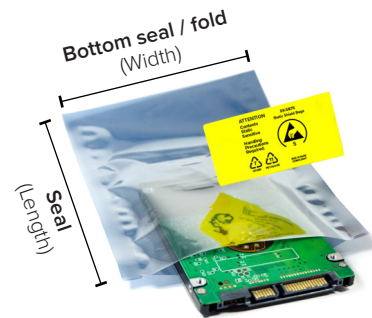
Do not crease the bag as this can break down the integrity of the metallised shield.



Open-top (EK-SB75)



Resealable loc-top (EK-LSB75)



Take Note:

- Metallised shielding bags can deteriorate with use
- Monitoring them for effectiveness is very important

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Supplying equipment and services to the
Aerospace, Automotive, Defence, Medical and
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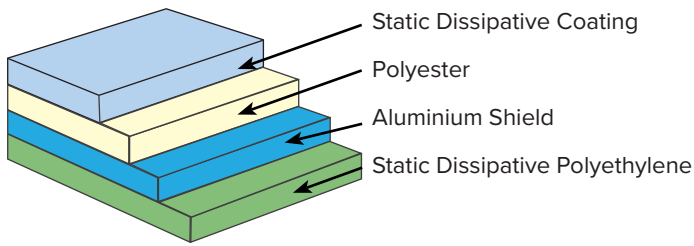
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Construction

Our shielding bags are manufactured with industry approved polyester and polyethylene laminates. The polyester layer works with the metal layer to provide a Faraday Cage. The Polyethylene layer prevents turbocharging.

Physical Properties

Typical Values

Tensile Strength	>20 lbs ASTM D 882
Seam Strength	Pass MIL-PRF-81705
Light Transmission	35-40% Tobias

Electrical Properties

Typical Values

Surface Resistivity / Resistance	STM11.31-2006/MIL-STD-3010 2046
Interior	>10 ⁶ <10 ¹¹ ohms/squares >10 ⁶ >10 ¹¹ ohms/squares
Exterior	>10 ⁶ <10 ¹¹ ohms/squares >10 ⁶ <10 ¹¹ ohms/squares
Static Shielding	<30 volts STM11.31-2006/EIA541/MIL81705
Static Shielding	<50 nJ STM11.31-2006
Static Decay	<2 seconds - IEC61340-5-1-1998
Charge Retention	<100 volts - IEC61340-5-1-1998
Size Tolerances	±3mm +/15%

Heat Sealing Conditions

Typical Values

Temperature	1800C – 2500C
Time	0.5-3.5 seconds
Pressure	30-70 PSI
Thickness	75 microns ± 10%
Outgassing	Pass ASTM E595
Non-Corrosive	Pass FTMS 101 MTH 3005

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Reference	Size (inches)	Size (mm)
EK-SB23	2" x 3"	50x76mm
EK-SB35	3" x 5"	76x127mm
EK-SB46	4" x 6"	102x152mm
EK-SB426	4" x 26"	102x660mm
EK-SB430	4" x 30"	102x762mm
EK-SB58	5" x 8"	127x203mm
EK-SB68	6" x 8"	152x203mm
EK-SB610	6" x 10"	152x254mm
EK-SB612	6" x 12"	152x305mm
EK-SB616	6" x 16"	152x406mm
EK-SB626	6" x 26"	152x660mm
EK-SB630	8" x 30"	152x762mm
EK-SB716	7" x 16"	178x406mm
EK-SB810	8" x 10"	203x254mm
EK-SB812	8" x 12"	203x305mm
EK-SB816	8" x 16"	203x406mm
EK-SB818	8" x 18"	203x457mm
EK-SB1012	10" x 12"	254x305mm
EK-SB1014	10" x 14"	254x356mm
EK-SB1020	10" x 20"	254x508mm
EK-SB1024	10" x 24"	254x610mm
EK-SB1030	10" x 30"	254x762mm
EK-SB1115	11" x 15"	279x381mm
EK-SB1218	12" x 18"	305x457mm
EK-SB1220	12" x 20"	305x508mm
EK-SB1224	12" x 24"	305x610mm
EK-SB1418	14" x 18"	355x457mm
EK-SB1618	16" x 18"	406x457mm
EK-SB1624	12" x 24"	406x610mm
EK-SB1818	18" x 18"	457x457mm
EK-SB1820	18" x 20"	457x508mm
EK-SB1824	18" x 24"	457x610mm
EK-SB2424	24" x 24"	610x610mm
EK-SB2430	24" x 30"	610x762mm

Other sizes are available upon request

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Technical Datasheet EK-LSB75 Sizes

Reference	Size (inches)	Size (mm)
EK-LSB23	2" x 3"	50x76mm
EK-LSB33	3" x 3"	76x76mm
EK-LSB35	3" x 5"	76x127mm
EK-LSB46	4" x 6"	102x152mm
EK-LSB58	5" x 8"	127x203mm
EK-LSB510	5" x 10"	127x254mm
EK-LSB68	6" x 8"	152x203mm
EK-LSB610	6" x 10"	152x254mm
EK-LSB616	6" x 16"	152x406mm
EK-LSB810	8" x 10"	203x254mm
EK-LSB812	8" x 12"	203x305mm
EK-LSB1012	10" x 12"	254x305mm
EK-LSB1014	10" x 14"	254x355mm
EK-LSB1115	11" x 15"	280x381mm
EK-LSB1216	12" x 16"	305x406mm
EK-LSB1218	12" x 18"	305x457mm

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