

Static Shielding Bags

MB, LTM - Available in different sizes

TECHNICAL DATASHEET

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. Static Shielding Bags provide a 'Faraday Cage' for holding static sensitive components when they are to be handled outside of an electrostatic protected area (EPA). These bags meet the requirements of ESD STM11. 31-2006, EIA541, MIL-PRF-81705, ANSI/ESD S20.20. All bags are 75 microns thick, RoHS compliant and are supplied with an ESD symbol as standard. They are available in open top or resealable loc-top and are supplied in packs of 100pcs.



Open-Top (MB)



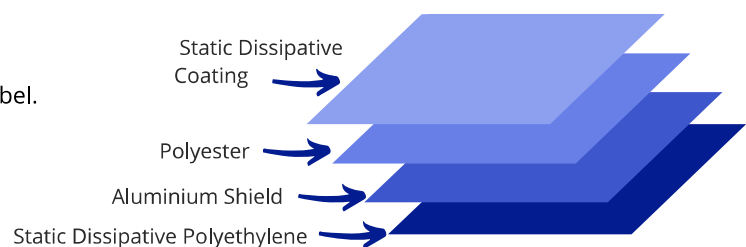
Resealable Loc-Top (LTM)

Features

- Suitable for packing electronic products which are static sensitive.
- Semi-transparent for easy identification of component.
- All bags are 75 microns thick and are supplied in packs of 100pcs.
- Full-size range is available in stock.
- Meets the requirements of ESD STM11. 31-2006, EIA541, MIL-PRF-81705, ANSI/ESD S20.20.
- Available in open top and loc-top resealable. Faraday Cage effect.
- Bags can be closed temporarily with ESD warning label.
- Each bag is RoHS and REACH compliant.
- Bespoke sizes, thickness, printing and packaging solutions can be manufactured on request.

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.



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Technical Properties

| 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 | $\pm 3\text{mm} +/15\%$ |

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

| Heat Sealing Conditions | Typical Values |
|-------------------------|------------------------|
| Temperature | 1800°C – 2500°C |
| Time | 0.5 - 3.5 seconds |
| Pressure | 30 - 70 PSI |
| Thickness | 75um \pm 10% |
| Outgassing | Pass ASTM E595 |
| Non-Corrosive | Pass FTMS 101 MTH 3005 |



Important Notice: The information contained within this technical datasheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Static Shielding Bags, August 2nd 2021.