



Static Safe Environments
www.staticsafe.co.uk

Technical data sheet for open top and re-sealable buried metal shielding bags

Static shielding bags — open top and re-sealable

SSE's buried metal static shielding bags are approved by major manufacturers worldwide. The transparent, metalised shielding bags provide a complete static safe environment for the safe storage and transportation of static sensitive devices. The metal layer prevents the penetration of damaging electrostatic fields by creating a Faraday effect and shielding an electrostatic discharge. (ESD)

Standards: Meets the requirements of ESD STM11. 31-2006, EIA541, MIL-PRF-81705, ANSI/ESD S20.20 MIL-STD-3010, IEC 61340-5-1 2007, ASTM D 882

SSE static shielding bag specifications

Electrical Properties:

Surface Resistivity / Resistance
Interior
Exterior
Static Shielding
Static Shielding
Static Decay
Charge Retention
Size Tolerances

Typical Values

STM11.31-2006/MIL-STD-3010 4046
>10⁶ <10¹¹ Ω
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<30 volts STM11.31-2006/EIA541/MIL81705
<50 nJ STM11.31-2006
<2 seconds IEC61340-5-1-2007
<100 volts IEC61340-5-1-2007
±3mm +/-15%

Physical Properties:

Tensile Strength
Seam Strength
Light Transmission

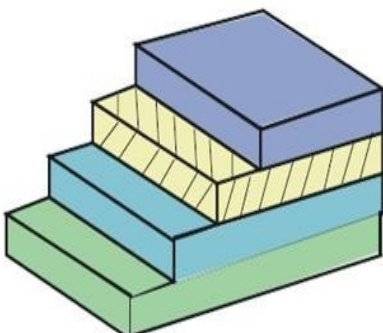
>20 lbs ASTM D 882
Pass MIL-PRF-81705
35-40% Tobias

Heat Sealing Conditions

Temperature
Time
Pressure
Thickness
Outgassing
Non-Corrosive

180° C – 250° C
0.5-3.5 seconds
30-70 PSI
75 microns ±10%
Pass ASTM E595
Pass FTMS 101 MTH 3005

Static shielding bag structure



Static dissipative coating
Polyester
Aluminium shield
Static dissipative polyethylene

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Bags are printed with batch information for QA traceability.

All information supplied in this technical sheet is believed to be reliable and is for guidance and information only.