

**Metallised Shielding Bags Buried Metal - Open Top**

Conductive buried aluminium shielding layer between two polymeric plastic layers:  
exposed surface static dissipative.

Contains no amines, amides or n-octanoic acid.

- Available in various size
- Suitable to heat seal.
- Also available in Gripseal Closure .



**Material Structure**

- |                                    |  |
|------------------------------------|--|
| 1. Static Dissipative Layer        |   |
| 2. Polyester                       |   |
| 3. Aluminium Shielding Layer       |   |
| 4. Static Dissipative Polyethylene |  |

**PHYSICAL PROPERTIES:**

Yield (per pound) 8,750sq.in  
 Total Thickness 3.1 mils (80 micron)  
 Tensile Strength: (ASTM D 882-91, Method A) MD: 5800 psi TD: 6600 psi  
 Tear Strength (D 1004-66 Notched) MD: 2.5lbs TD: 85%  
 Elongation (ASTM D 882-91, Method A) MD: 80% TD: 85%  
 Burst Strength (FTMS 101 C, Method 2007 1a) 50 psi  
 Puncture Strength (FTMS 101C, Method 2065.1) >12lbs  
 Heat Seal Strength (D1876-93) Vertod bar sealer/heat & dwell 5.5 >14lbs/in width (room temperature)  
 MVTR (ASTM F-1249 @ 100oF/100 sq in/24hrs 0.3gms – nominal  
 Light Transmission (ASTM D-1003-92) 40% +/- 5%

**ELECTRICAL PROPERTIES:**

EMI Shielding (mili-B-81705C) >10dB Between 1 & 10 GHZ  
 Resistivity – Conductive Metal Layer (ASTM D-257) <50 ohms/sq. (5 x 101 ohm/sq)  
 Capacitive Probe Test (high Voltage Discharge) – (EIA – Std 541/Appendix E – 1KV) <20 volts  
 Static Decay (FTMS 101C, Method 4046.1, 5000 to 0 volts) <.0.03 Seconds  
 Surgace Resistivity (both surfaces) – (ESO11.11 @ 12% R.H.) <1012 ohms/sq (1010 ohm/sq typical)  
 Charge Generation – nominal (Modified incline plane average nC/sq.in) Teflon: - 0.09 Quartz: +0.10

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