

# STATIC SHIELDING PACKAGING



## BM Buried Metal Static Shielding Bags

### ESD Transparent Static Shielding Bag Film

*Conductive buried aluminium shield layer between two polymeric plastic layers; exposed surfaces static dissipative. Contains no Amines, Amides or n-octanoic acid. Polycarbonate compatible - independent test results available.*

***Construction/Composition; (from outermost to innermost layer) Static dissipative layer/transparent metallised polyester/adhesive/polyolefin/static dissipative layer.***

### Physical Properties:

<b>Yield</b> (per pound)	<b>8,750 sq.in</b>
<b>Total Thickness:</b>	<b>2.8 mils (71 micron)</b>
<b>Tensile Strength:</b> (ASTM D882-91, Method A):	<b>MD:6530 psi TD:5800 psi</b>
<b>Tear Strength</b> (D 1004-94-Notched):	<b>MD: 2.5 lbs TD: 2.0 lbs</b>
<b>Elongation</b> (ASTM D882-91, Method A):	<b>MD: 80% TD:85%</b>
<b>Burst Strength:</b> (FTMS 101 C, Method 2007 la):	<b>50 psi</b>
<b>Puncture Strength</b> (FTMS 101C, Method 2065.1):	<b>&gt;12 lbs</b>
<b>Heat Seal Strength</b> (D1876-93) Vertrad bar sealer/heat & dwell 5.5	<b>&gt;14 lbs/in width (room temperature)</b>
<b>MVTR</b> (ASTM F-1249 @ 100°F/100 sq in/24 hrs):	<b>0.3gms - nominal</b>
<b>Light Transmission</b> (ASTM D-1003-92):	<b>40% +/- 5%</b>

### Electrical Properties:

<b>EMI Shielding</b> (Mil-B-81705C)	<b>&gt;10 dB between 1 &amp; 10 GHZ</b>
<b>Resistivity - Conductive Metal Layer</b> (ASTM D-257)	<b>&lt;50 ohms/sq. (5 x 10<sup>1</sup> ohm/sq)</b>
<b>Capacitive Probe Test</b> (High Voltage Discharge)-(EIA -Std 541/Appendix E - 1KV):	<b>&lt;20 volts</b>
<b>Static Decay</b> (FTMS 101C, Method 4046.1, 5000 to 0 Volts):	<b>&lt;.0.03 seconds</b>
<b>Surface Resistivity</b> (both surfaces) - (ESO11.11 @ 12% R.H.):	<b>&lt;10<sup>12</sup>Ohms/sq (10<sup>10</sup>Ohm/sq typical.)</b>
<b>Charge Generation</b> -nominal (Modified incline plane average nC/sq.in.)	<b>Teflon: - 0.09</b>
	<b>Quartz: +0.10</b>

**Bags are available to order in any Size from: 2½" x 6" to 32" x 36" 65 x 150mm to 800 x 900mm**

**Bags can be custom printed using hot foil stamps or flexo printing. Bags are available with open tops, zip close tops, or self adhesive/tamper evident closures.**

*For more product information visit our web site, [www.faulkner.ie](http://www.faulkner.ie)*

The values shown above were developed from random samples taken from production material. We believe them to be typical for this particular product. Because of normal lot to lot variations, actual values may vary somewhat from these depicted here. Faulkner Export Packaging Ltd. makes no warranty, express or implied; as to the suitability of these materials for any specific product. Consumers should determine product suitability through their own testing and evaluation.

Effective date: 07/03/2012