

- A. Electrostatic bubble shielding bags are made of metalised film, laminated to antistatic pink bubble film.
- B. This material offers excellent ESD protection combining the 'Faraday Cage' effect with an air gap. It also offers good mechanical protection and, being partially transparent, permits easy identification of contents. Its heavy-duty construction makes it suitable for re-use.
- C. The bags have a flap to enclose contents.



**Specifications:**

**Electrical Properties**

Electrical Properties	Typical Values	Test Procedures/Method
Surface Resistance:		
Outer Layer	< 1 x 10 <sup>11</sup> ohms	ANSI/ESD STM11.11
Inner Layer	< 1 x 10 <sup>11</sup> ohms	ANSI/ESD STM11.11
Static Decay	<0.2s	MIL-STD-3010 4046
Discharge Shielding	<50nJ	ANSI/ESD STM11.31
Charge Generation	Teflon: -0.03 nC/in <sup>2</sup> Quartz: +0.10 nC/in <sup>2</sup>	Modified Incline Plane ESD ADV 11.2-1995

**Physical Properties**

Thickness:		
Polyester	13 micron	ASTM D2103
Antistatic PE	60 micron	ASTM D2103
Bubble properties		
Diameter	10mm	N/A
Height	5mm	N/A
Tensile strength	>15lbs/in <sup>2</sup>	ASTM D882
Puncture resistance	>25lbs	FTMS 10001C
Transparency	>15%	ASTM D-1003-77
MVTR	<0.2g @ 100°F	ASTM F 1249

**Shielding Bubble Bag Sizes**

Item	Size (WxL)
<a href="#">200510</a>	100mm x 150mm + 25mm Flap
<a href="#">200515</a>	150mm x 255mm + 25mm Flap
<a href="#">200520</a>	200mm x 255mm + 25mm Flap
<a href="#">200530</a>	255mm x 305mm + 50mm Flap
<a href="#">200535</a>	305mm x 405mm + 50mm Flap
<a href="#">200540</a>	355mm x 455mm + 50mm Flap
<b>Sold 10 per package</b>	

**Per ANSI/ESD S541 section 6.2 Outside an EPA**

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

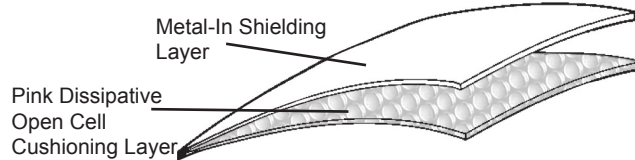
- Low charge generation.
- Dissipative or conductive materials for intimate contact.
- A structure that provides electrostatic discharge shielding."

**RoHS 2 and REACH Statement**

None of the RoHS 2 restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Vermason [Limited Warranty at Vermason.co.uk](#).



Made in the United Kingdom



Unless otherwise noted, tolerance ±10%  
Specifications and procedures subject to change without notice.

**Vermason**

**Shielding Bubble Bags**

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**Drawing Number**  
200510

**DATE:**  
June  
2014

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