

ELECTROSTATIC BUBBLE SHIELDING BAGS

Code BA9...

Electrostatic bubble shielding bags are made from a three layer material consisting of standard pink antistatic bubble material sandwiched between a layer of metallised film and a layer of pink polyethylene film. 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.

PROPERTIES	UNIT	TYPICAL VALUES	TEST METHODS
Surface Resistivity:			
Inner Layer	Ω	$<10^{12}\Omega$	EN 61340-5-1998
Metal Layer	Ω	$<10^2\Omega$	EN 61340-5-1998
Outer Layer	Ω	$<10^{12}\Omega$	EN 61340-5-1998
Charge Decay	sec	<0.2	EN 61340-5-1998
Shielding property	nJ	<20	EN 61340-5-1998
Charge Generation	nC/in ²	PTFE: - Quartz: +0.10	Modified Inclined Plane, ESD ADV 11.2 -1995
Thickness:			
Polyester	micron	13	ASTM D2103
Antistatic PE	micron	60	ASTM D2103
Bubble properties			
diameter	mm	10	NA
height	mm	5	NA
Tensile strength	lbs/in ²	>15	ASTMD882
Puncture resistance	lbs.	>25	FTMS 10001C
Transparency	%	>15	ASTM D-1003-77
MVTR	g/100in ² /24h	$<0.2g @$ $100^\circ F$	ASTM F 1249

Other properties: Free from amine/amides/heavy metals. Polycarbonate compatible.

Physical dimensions: Shielding bubble bags are available in a range of sizes from 4" x 6" up to 24" x 24" with most sizes having a 1" flap. The material is also available in rolls 1.5 metre wide by 100 metre long.

Dimensional tolerances:

Internal width	- 0 + 10 mm
Internal depth	- 0 + 15 mm
Flap	-5 + 5 mm
Seal width	6mm typical

For further information, please contact

Vermason Ltd, 1 Avenue One, Letchworth, Hertfordshire SG6 2HB. UK

Tel: +44(0)1462 672005 Fax: +44(0)1462 670440

e-mail : sales@vermason.co.uk

www.vermason.co.uk

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