



CONDUCTIVE BLACK TUBING AND BAGS

- Tough, puncture resistant, often re-used
- Made of linear polyethylene with carbon added, 0.07mm thick
- Rs: 10E3 to 5 x 10E5 ohms, independent of humidity
- Heat sealable, recyclable
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in Britain

Part No.	Internal Dimensions (W x L)	Unit
203530	100mm x 100mm (4" x 4"), Bag	100
203535	100mm x 150mm (4" x 6"), Bag	100
203540	100mm x 305mm (4" x 12"), Bag	100
203555	125mm x 200mm (5" x 8"), Bag	100
203575	150mm x 200mm (6" x 8"), Bag	100
203580	150mm x 255mm (6" x 10"), Bag	100
203600	200mm x 255mm (8" x 10"), Bag	100
203605	200mm x 305mm (8" x 12"), Bag	100
203620	255mm x 305mm (10" x 12"), Bag	100
203645	305mm x 405mm (12" x 16"), Bag	100
203675	405mm x 455mm (16" x 18"), Bag	100
203700	455mm x 610mm (18" x 24"), Bag	100
203510	75mm (3"), Conductive Tubing	500m
203560	150mm (6"), Conductive Tubing	500m
203590	200mm (8"), Conductive Tubing	500m
203630	305mm (12"), Conductive Tubing	500m



203600

[Download Technical Drawing 203530](#)

PROTEKTIVE PAK DISSIPATIVE CORRUGATED SMALL COMPONENT SHIPPER

- Efficient means of shipping or storing small ESD sensitive items
- Static dissipative surface of 10E6- 10E8 ohms
- Made in America

Part No.	Description
37003	Small Component Shipper, 87mm x 54mm x 25mm

[Download Technical Drawing 37000.E](#)



37003

PROTEKTIVE PAK DISSIPATIVE CORRUGATED CIRCUIT BOARD SHIPPER

- Economical, efficient method of storing static sensitive electronic devices
- Constructed from a unique buried conductive layer of impregnated corrugated fiberboard with a static dissipative surface
- Made from 100% recycled material and is 100% recyclable
- Made in America

Part No.	Description
37051	Box with Foam, 102mm x 102mm x 54 mm
37081	Box with Foam, 157mm x 152mm x 38 mm
37053	Box with Foam, 178mm x 127mm x 38 mm
37055	Box with Foam, 178mm x 127mm x 64 mm
37057	Box with Foam, 229mm x 191mm x 64 mm
37085	Box with Foam, 229mm x 229mm x 38 mm
37061	Box with Foam, 267mm x 216mm x 64 mm
37065	Box with Foam, 318mm x 267mm x 64 mm
37067	Box with Foam, 378mm x 168mm x 51 mm
37071	Box with Foam, 394mm x 318mm x 64 mm
37073	Box with Foam, 406mm x 311mm x 89 mm
37087	Box with Foam, 406mm x 381mm x 76 mm
37079	Box with Foam, 521mm x 394mm x 64 mm

37050	Box Only, 102mm x 102mm x 54 mm
-----------------------	---------------------------------

[Download Technical Drawing 37050.E](#)



37050

NEW!

**Superior protection
with impregnated
corrugated material**



See our products being
Made in America
on our web site:
Desco.com/Factory

ANTISTATIC PINK BAGS

- For use with non-ESD sensitive items destined for use in an EPA
- Economical
- Made of polyethylene, 0.070mm thick
- Rs: 10E10 to 10E11 ohms, T₁₀₀₀: < 2 sec at 50% rH, 22°C
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in Britain

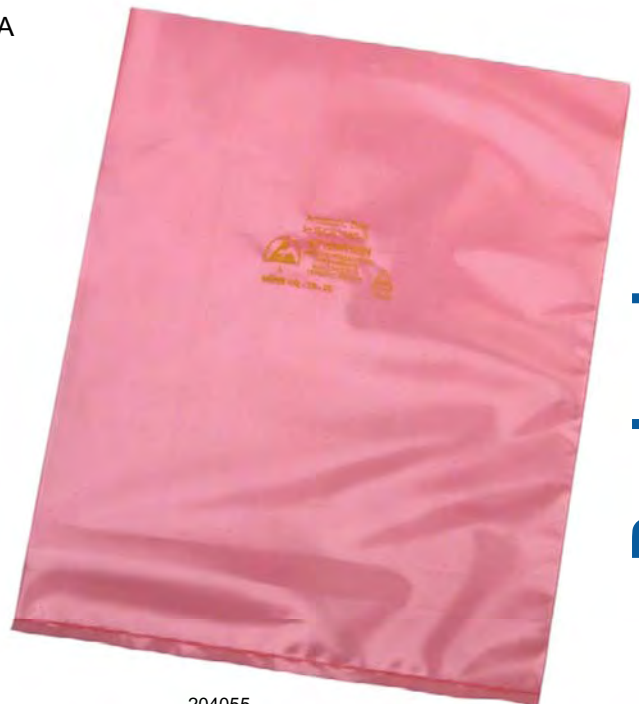
Part No. Internal Dimensions (W x L)

204020	100mm x 150mm (4" x 6")
204040	150mm x 255mm (6" x 10")
204035	150mm x 200mm (6" x 8")
204055	200mm x 255mm (8" x 10")
204070	255mm x 305mm (10" x 12")
204075	255mm x 355mm (10" x 14")
204095	305mm x 405mm (12" x 16")
204100	305mm x 455mm (12" x 18")
204155	610mm x 915mm (24" x 36")

203000	75mm x 125mm (3" x 5") with write-on panels, with zipper
203005	100mm x 150mm (4" x 6") with write-on panels, with zipper
203010	125mm x 200mm (5" x 8") with write-on panels, with zipper
203015	150mm x 200mm (6" x 8") with write-on panels, with zipper
203020	150mm x 255mm (6" x 10") with write-on panels, with zipper
203025	200mm x 255mm (8" x 10") with write-on panels, with zipper
203030	255mm x 355mm (10" x 14") with write-on panels, with zipper

203040	100mm x 150mm (4" x 6"), with zipper
203045	125mm x 200mm (5" x 8"), with zipper
203055	150mm x 255mm (6" x 10"), with zipper
203065	255mm x 355mm (10" x 14"), with zipper

Download Technical Drawings [204020](#) and [203000](#)



204055

Packaging

Not sure what bag you need?

[Check out our bag selection chart](#)

ANTISTATIC PINK BUBBLE BAGS

- Suitable for use in an EPA
- Provide mechanical protection
- Made of pink-tinted, amine-free, antistatic polyethylene
- Rs: 10E10 to 10E12 ohm, T₁₀₀₀: < 2 sec at 50% rH
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in Britain

Part No. Internal Dimensions (W x L)

202505	90mm x 110mm, no flap
202515	130mm x 185mm
202520	180mm x 235mm
202530	280mm x 360mm

Download Technical Drawing [202505](#)



202520



See our products being
Made in Britain on our
web site: [Click Here](#)

Unit C, 4th Dimension, Fourth Avenue, Letchworth, Hertfordshire, SG6 2TD, United Kingdom
Tel: +44 (0)1462 672005 • Fax: +44 (0)1462 670440
E-mail: Service@Vermason.co.uk • Web: Vermason.co.uk



STATSHIELD® MOISTURE BARRIER SHIELDING BAGS

- Provide ESD and moisture protection
- Film thickness: 90 micron (3.6mil)
- Bag is opaque, printed and designated as ESD moisture barrier bag
- Used to pack SMD reels or trays and IC tubes
- Use with humidity indicator cards and dessicant
- Rs: <10E11 ohms at 15% rH
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in America

Part No.	Internal Dimensions (W x L)
204549	125mm x 200mm (5" x 8")
204550	150mm x 255mm (6" x 10")
204551	200mm x 255mm (8" x 10")
204552	255mm x 305mm (10" x 12")
204575	255mm x 610mm (10" x 24")
204580	255mm x 660mm (10" x 26")
204581	255mm x 760mm (10" x 30")
204585	305mm x 405mm (12" x 16")
204586	380mm x 455mm (15" x 18")
204595	400mm x 455mm (16" x 18")
204605	455mm x 455mm (18" x 18")
204610	455mm x 610mm (18" x 24")

Download Technical Drawing [204580](#)



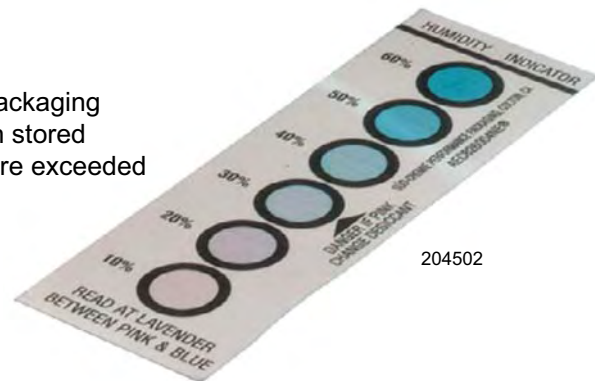
**Storage problems?
Check out our shelf
liner on [Page 20](#)**

HUMIDITY INDICATOR CARDS

- Low-cost method of verifying the effectiveness of moisture barrier packaging
- Indicates the relative humidity level at which the contents have been stored
- Colour changes quickly and clearly from pink to blues as rH levels are exceeded
- Made in Britain

Part No.	Description
204502	6 spot, 40mm x 120mm, can of 200

Download Technical Drawing [204502](#)



DESSICANT

- Sold in packs of 600
- For use in conjunction with moisture barrier bags whenever moisture control is a critical factor in the packaging of electronic products
- At 50% rH and 25°C it will absorb 27% water by weight
- Packed in woven, non-leaching HDPE sachets
- Meets Mil D-3464E, DIN 55473A and B and Afnor 00321 requirements
- Made in Britain

Part No.	Description
204514	Desiccant, 1/2 Unit (10g), Pack Of 600
204516	Desiccant, 1 Unit (25g), Pack Of 300

Download Technical Drawing [204515](#)





STATSHIELD® TRANSPARENT METAL-OUT ESD SHIELDING BAGS

- Aluminum metal outer layer of laminated film metal-out required by many end-users; meets requirements of MIL-PRF-81705D, Type III
- Shielding protects ESD sensitive items
- Integral antistatic, low tribocharging properties bags will not electrostatically charge during movement
- Resistance of outer surface: <math>< 10E8</math> ohms
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in America

Part No.	Internal Dimensions (W x L)
202100	75mm x 125mm (3" x 5")
202105	100mm x 150mm (4" x 6")
202110	100mm x 760mm (4" x 30")
202115	125mm x 200mm (5" x 8")
202120	150mm x 255mm (6" x 10")
202125	150mm x 760mm (6" x 30")
202130	200mm x 255mm (8" x 10")
202135	200mm x 305mm (8" x 12")
202140	255mm x 305mm (10" x 12")
202145	255mm x 355mm (10" x 14")
202150	255mm x 610mm (10" x 24")
202155	280mm x 380mm (11" x 15")
202160	305mm x 405mm (12" x 16")
202165	305mm x 455mm (12" x 18")
202170	380mm x 455mm (15" x 18")
202175	455mm x 455mm (18" x 18")
202180	455mm x 610mm (18" x 24")

202200	75mm x 125mm (3" x 5"), with zipper
202205	100mm x 150mm (4" x 6"), with zipper
202215	125mm x 200mm (5" x 8"), with zipper
202220	150mm x 255mm (6" x 10"), with zipper
202225	150mm x 760mm (6" x 30"), with zipper
202230	200mm x 255mm (8" x 10"), with zipper
202235	200mm x 305mm (8" x 12"), with zipper
202240	255mm x 305mm (10" x 12"), with zipper
202245	255mm x 355mm (10" x 14"), with zipper
202250	255mm x 610mm (10" x 24"), with zipper
202255	280mm x 380mm (11" x 15"), with zipper
202260	305mm x 405mm (12" x 16"), with zipper
202265	305mm x 455mm (12" x 18"), with zipper
202270	380mm x 455mm (15" x 18"), with zipper
202275	455mm x 455mm (18" x 18"), with zipper
202280	455mm x 610mm (18" x 24"), with zipper

Download Technical Drawings [202100](#) and [202220](#)

BUBBLE SHIELDING BAGS

- Combines "Faraday Cage" and mechanical protection
- Shields about twice as well as normal shielding bag of equivalent size
- Rs inside and out: $10E10$ to $5 \times 10E11$ ohms
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in Britain

Part No.	W x L + FLAP
200510	100mm x 150mm + 25mm (4" x 6" + 1")
200515	150mm x 255mm + 25mm (6" x 10" + 1")
200520	200mm x 255mm + 25mm (8" x 10" + 1")
200530	255mm x 305mm + 50mm (10" x 12" + 2")
200535	305mm x 405mm + 50mm (12" x 16" + 2")
200540	355mm x 455mm + 50mm (14" x 18" + 2")
200545	455mm x 455mm + 50mm (18" x 18" + 2")

Download Technical Drawing [200510](#)



See our products being Made in Britain on our web site: [Click Here](#)

Unit C, 4th Dimension, Fourth Avenue, Letchworth, Hertfordshire, SG6 2TD, United Kingdom
 Tel: +44 (0)1462 672005 • Fax: +44 (0)1462 670440
 E-mail: Service@Vermason.co.uk • Web: Vermason.co.uk

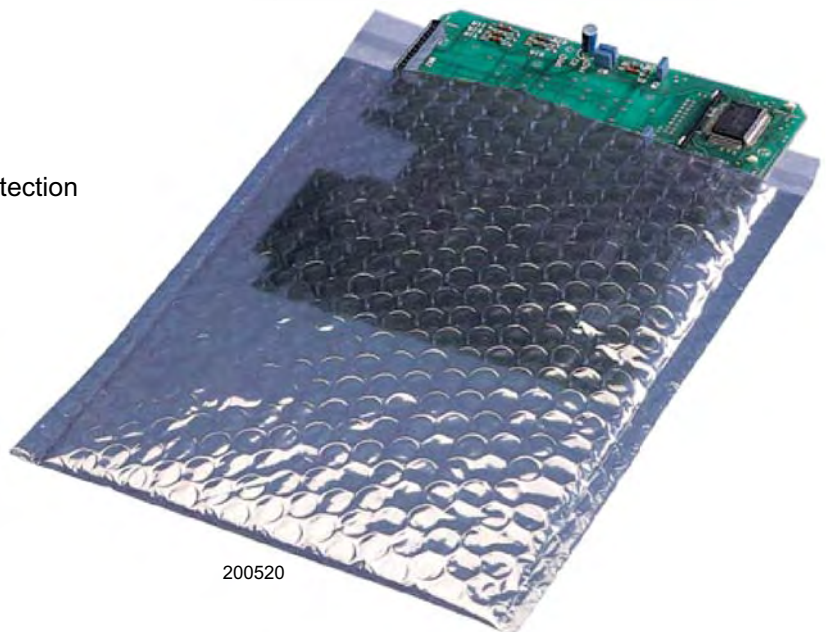
Thermal Transfer does not flake or peel off!



202130

Low Charging Zipper!

Custom Sizes and Printing Available!



200520



STATSHIELD® TRANSPARENT METAL-IN STANDARD ESD SHIELDING BAGS

Thermal Transfer does not flake or peel off!

- ESD shielding limits energy penetration from ESD and electrostatic charges
- Rs: 10E9 to 5 x 10E11 ohms inside and out
- Protects ESD sensitive items
- Good see-through clarity
- Sold 100 per pack
- [Click HERE](#) to see how to determine the correct size bag for your application
- Made in America



201105

Low Charging Zipper!

Custom Sizes and Printing Available!

For Self-Adhesive Labels [CLICK HERE](#)



Part No.	Internal Dimensions (W x L)
201015	75mm x 125mm (3" x 5")
201025	100mm x 150mm (4" x 6")
201040	100mm x 760mm (4" x 30")
201050	125mm x 200mm (5" x 8")
201065	150mm x 200mm (6" x 8")
201070	150mm x 255mm (6" x 10")
201071	150mm x 760mm (6" x 30")
201105	200mm x 255mm (8" x 10")
201110	200mm x 305mm (8" x 12")
201115	200mm x 405mm (8" x 16")
201120	255mm x 305mm (10" x 12")
201130	255mm x 355mm (10" x 14")
201135	255mm x 610mm (10" x 24")
201100	280mm x 380mm (11" x 15")
201140	305mm x 355mm (12" x 14")
201145	305mm x 405mm (12" x 16")
201150	305mm x 455mm (12" x 18")
201160	355mm x 455mm (14" x 18")
201161	380mm x 455mm (15" x 18")
201165	405mm x 455mm (16" x 18")
201175	405mm x 610mm (16" x 24")
201180	455mm x 455mm (18" x 18")
201190	455mm x 610mm (18" x 24")
201210	610mm x 760mm (24" x 30")
201500	75mm x 125mm (3" x 5"), with zipper
201510	100mm x 150mm (4" x 6"), with zipper
201511	100mm x 735mm (4" x 29"), with zipper
201515	125mm x 200mm (5" x 8"), with zipper
201520	150mm x 200mm (6" x 8"), with zipper
201525	150mm x 255mm (6" x 10"), with zipper
201526	150mm x 735mm (6" x 29"), with zipper
201530	200mm x 255mm (8" x 10"), with zipper
201535	200mm x 305mm (8" x 12"), with zipper
201540	255mm x 305mm (10" x 12"), with zipper
201545	255mm x 610mm (10" x 24"), with zipper
201546	255mm x 355mm (10" x 14"), with zipper
201547	280mm x 380mm (11" x 15"), with zipper
201550	305mm x 405mm (12" x 16"), with zipper
201551	305mm x 455mm (12" x 18"), with zipper
201552	355mm x 455mm (14" x 18"), with zipper
201553	380mm x 455mm (15" x 18"), with zipper
201555	455mm x 455mm (18" x 18"), with zipper
201556	455mm x 610mm (18" x 24"), with zipper
201560	505mm x 505mm (20" x 20"), with zipper

Download Technical Drawings [201000](#) and [201500](#)





ESD BAG SELECTION CHART

Physical Properties	Statshield® Standard Metal In Bags	Statshield® Standard Metal Out Bags	Statshield® ESD Moisture Barrier Bags	Bubble Shielding Bags	Antistatic Pink Bags	Antistatic Pink Bubble Bags	Conductive Black Bags
Resistance of polyester outer layer	10E11 ohms	10E8 ohms	10E12 ohms	10E9 to 5 x 10E11 ohms	1010 to 1011 ohms	10E10 to 10E12 ohm	10E5 ohms
Resistance of aluminium layer	10E2 ohms	10E2 ohms	10E2 ohms	10E10 to 10E12 ohms	-	-	-
Resistance of polyethylene	10E11 ohms	10E12 ohms	10E12 ohms	-	10E11 ohms	10E11 ohms	10E11 ohms
Aluminium metal layer location	Between polyester & polyethylene	Outer layer coated with abrasive resistant coating	Dual metal layers between plastic layers	Between polyester & polyethylene	-	-	-
Faraday Cage ESD shielding	Yes	Yes	Yes	Yes	No	No	No
Energy penetration (nanojoules)	<25	<20	<50				
Thickness (nominal)	3.0 mil	3.0 mil	3.6 mil	5mm (height of bubbles)	2.7 mil	5mm (height of bubbles)	2.8 mil
Puncture resistance	>10#	>10#	>20#	>25lbs			
Moisture barrier MVTR	<0.40 grams	<0.40 grams	<0.02 grams	<0.2 grams	>0.8gr/m2 24 hr at 50% rH & 20°C		>0.8gr/m2 24 hr at 50% rH & 20°C
Application	Transport or store ESDs outside protected area	Substitute for Metal In where end user requires	Stands up to many automatic vacuum packaging operations	Transport or store ESD sensitive items that require mechanical protection outside an EPA	Economical bags for use with non-ESD sensitive items destined for use in an EPA	Economical bags for use with non-ESD sensitive items that require mechanical protection destined for use in an EPA	Ideal for storage of ESD sensitive items within an ESD controlled storage area
Durability	Good	Less Durable	Superior	Good	Less Durable	Good	Good
Available with Zipper	Yes	Yes	No	No	Yes	No	No
Part Numbers	201015 - 201560	202100 - 202280	204549 - 204610	200510 - 200545	203000 - 204155	202505 - 202530	203530 - 203700

Packaging

Vermason ESD Bags - Designed for Europe

We refuse to put your products at risk. We use only the highest quality materials in our full line of static shielding bags. Vermason bags are made in America at our Canton, MA facility on specially designed bag machines. Great care is given to produce the finest quality bags.

ESD Bags meet EN 61340 5-1 requirement:

- “low charging packaging exhibiting properties which minimize any charge generation” (paragraph 3.18.1)
- “electrostatic discharge shielding barrier or enclosure that limits the passage of current and attenuates the energy resulting from an electrostatic discharge such that the maximum energy from 1 000 V human body model discharge is less than or equal to 50 nJ.” (paragraph 3.18.2)
- Identified with ESD packaging symbol, manufacturer, and batch identification number (paragraph 4.1.2)



See our products being Made in Britain on our web site: [Click Here](#)

Unit C, 4th Dimension, Fourth Avenue, Letchworth, Hertfordshire, SG6 2TD, United Kingdom

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

E-mail: Service@Vermason.co.uk • Web: Vermason.co.uk