

Antistat is part of the Ant Group, an established and respected supplier of static control products and cleanroom production consumables for over 30 years.

Antistat offers an extensive range of high-quality ESD consumables engineered and developed to meet your requirements and quality standards. With an established product range and an unrivalled customer service ethos, Antistat consumables have been applied in the medical, automotive, defense, aerospace and electronics industries.

Our distribution centres span North America, Europe and Asia, giving a truly global platform for delivering time-critical solutions.

# Contents

4 - BAGS	
Pink Antistatic Bags	5
Static Shielding Bags	6
Bubble Bags	7
Moisture Barrier Bags	8-9
Gusset Bags	10
Black Conductive Bags	10

10 - MOISTURE CONTROL	
Desiccants	12
Labels	12
Humidity Indicator Cards	13

14 - PACKAGING AND STORAGE	
Pink Antistatic Bubble Film	15
Pink Antistatic Stretch Wrap	15
Conductive Storage	16
Antistatic Waste Bins and Sacks	17
Corstat®	18-19
Packaging Accessories	20

21 - MATTING	
Anti-Fatigue Deck Matting	22
Textured Anti-Fatigue B1 Matting	22
Textured Anti-Fatigue Matting	23
Oil Resistant Anti-Fatigue Matting	23
2 Layer, Textured Bench Matting	24
2 Layer, Smooth Bench Matting	24
3 Layer, Smooth Bench Matting	25
Anti-Slip Matting	25
Black Conductive Matting	26
Antistatic Adhesive Mats	26

27 - SPLICE AND TAPE	
Tape Connectors	28
Tape Extenders	28
Carrier Tape	29
Reels	29
Splice Tools	30
<b>Double Tape Connectors</b>	30
Shims	31
Tape	32-33

34 - GROUNDING	
Kits	35
Plugs	36
Wrist Straps	37
Heel Grounders	38-39
Monitors	40-41

42 - CLOTHING	
Gloves	43-45
Lab Coats	46
Polo Shirts	47
Sweatshirt	48
T-Shirt	48
Outerwear	49

50 - STATIONERY	
Ring Binders	51
Document Wallets	51
Folders	52
Laminating Sheets	53

54 - SIGNAGE AND LABELS	
Signage	55
Labels	55

56 - CLEANING AND CLE	ANROOM
Bottles	57
Wipes	58
Clothing	59



# Pink Antistatic Bags

Suitable for safely storing non-ESD sensitive devices with an EPA, the material is antistatic and will not charge up when rubbed against other materials. These antistatic bags provide excellent protection and all models are highly reliable and excellent quality.

### **Open Top**

PRODUCT CODE	SIZE (IN)	SIZE (MM)
001-0001	3 x 5	76 x 127
001-0003	4 x 6	102 x 152
001-0009	6 x 10	152 x 254
001-0017	8 x 12	203 x 305
001-0021	10 × 14	254 x 355
001-0023	12 x 14	305 x 355
001-0037	14 x 18	355 x 457
001-0031	16 x 18	406 x 508
001-0030	18 x 24	457 x 610
001-0076	20 x 24	508 x 610

#### **FEATURES & BENEFITS**

- Blow-moulded LDPE with antistatic additives
- Surface resistance of 10<sup>7</sup> 10<sup>11</sup> Ohms
- Custom sizes and print available
- 300 gauge thickness

100 PER PACK





PRODUCT CODE	SIZE (IN)	SIZE (MM)
003-0001	3 x 5	76 x 127
003-0002	4 x 6	102 x 152
003-0039	5 x 8	127 x 203
003-0012	6 x 10	152 x 254
003-0011	8 x 10	203 x 254
003-0004	10 x 12	254 x 305
003-0016	12 x 16	305 x 406

# **Static Shielding Bags**

Perfect for protecting sensitive electronic products and equipment from electrostatic discharge during storage and shipping. Ideal for safe storage of PCBs, integrated circuits, motherboards and electronic components.

Manufactured from industry approved polyester and polyethylene laminates. The polyester dielectric works with the metal layer to provide a Faraday effect.



#### **FEATURES & BENEFITS**

- Semi transparent for easy identification
- Four layer protection
- Surface resistance of 10<sup>6</sup> 10<sup>10</sup> Ohms
- Conforms to EIA 625, EIA 541, ANSI/ESD S-20.20
- Custom sizes and print available

### **Open Top**

PRODUCT CODE	SIZE (IN)	SIZE (MM)
010-0001	3 x 5	76 x 127
010-0005	4 x 6	102 x 152
010-0015	6 x 10	152 x 254
010-0025	8 x 12	203 x 305
010-0031	10 x 16	254 x 406
010-0041	12 x 16	305 x 406
010-0048	14 x 18	355 x 457
010-0056	16 x 20	406 x 508
010-0060	18 x 24	457 x 610
010-0067	20 x 30	508 x 762



### **Grip Seal**

PRODUCT CODE	SIZE (IN)	SIZE (MM)
013-0001	3 x 5	76 x 127
013-0003	4 x 6	102 x 152
013-0004	5 x 8	127 x 203
013-0005	6 x 10	152 x 254
013-0006	8 x 10	203 x 254
013-0008	10 x 12	254 x 305
013-0010	12 x 16	305 x 406

# Pink Antistatic Bubble Bags

The pink antistatic bubble bag is suitable for packaging non ESD items within an ESD protected area. Soft texture and flexible material with a two layer extrusion with calendar roll to thermoform bubble. The bags are heat sealed along three edges and are provided with a low static 30mm peel and seal lip.



#### **FEATURES & BENEFITS**

- Blow-moulded LDPE with antistatic additives
- The air bubble cushion offers superior padding and shock proof function
- Soft texture and flexible material
- Does not generate a static charge
- Custom sizes available

PRODUCT CODE	SIZE (IN)	SIZE (MM)	QUANTITY
004-0013	5 x 7	130 x 185	1000
004-0014	7×9	180 x 235	750
004-0015	9 x 11	230 x 285	500
004-0016	11 × 14	280 x 360	300
004-0017	12 x 17	305 x 435	250
004-0018	15 x 17	380 x 435	200

### **Bubbleshield Bags**

A reusable antistatic bubble bag that provides 'Faraday Cage' protection against ESD. The bubble material adds extra cushioning for parts and components that are susceptible to impact damage whilst in transit. A wider range of sizes available on request.

#### **FEATURES & BENEFITS**

- Conforms to EIA 625, EIA 541, ANSI/ESD S-20.20
- Semi-transparent finish
- This bag is fully reusable, protecting both your product and the environment

PRODUCT CODE	SIZE (IN)	SIZE (MM)
016-0003	4 x 6	102 x 152
016-0025	6 x 10	152 x 254
016-0026	8 x 10	203 x 254
016-0028	14 x 18	356 x 457
016-0029	18 x 18	457 x 457



### **Moisture Barrier Bags**

Moisture Barrier Bags protect electronics from moisture and static damage during storage and transportation. The bags are opaque and light-tight ensuring the contents cannot be seen from the outside, adding a layer of operational security. Our moisture barrier bags are suitable for packing electronic products which are sensitive to moisture and static.

The puncture-resistant and moisture-proof packaging has a flexible structure and is suitable for vacuum-sealing.

#### **FEATURES & BENEFITS**

- Protects electronics from moisture and static damage
- Opaque and light tight to offer additional protection
- Firm lamination and heat sealing offers superior resistance to vapour
- Surface resistance of 10<sup>8</sup> 10<sup>11</sup> Ohms
- Flexible structure & easy to vacuum sea flexible structure & easy to vacuum seal
- Available in 3.6, 4.4 and 6 Mil thickness

### 6 Mil

PRODUCT CODE	SIZE (IN)	SIZE (MM)	QUANTITY
018-8003	8 x 20	203 x 508	100
018-8004	17 x 19	432 x 483	100
018-8005	8 x 27	203 x 686	100
018-8009	10 x 20	254 x 508	100

### 4.4 Mil

PRODUCT CODE	SIZE (IN)	SIZE (MM)	QUANTITY
018-0412	6 x 28	152 x 711	100
018-0413	10 x 20	254 x 508	100
018-0414	10 x 12	254 x 304	100
018-0423	10 x 20	254 x 508	100
018-0424	15 x 18	381 x 457	100
018-0425	20 x 20	508 x 508	100
018-0426	18 x 24	457 x 610	100



CUSTOM PRINTING AVAILABLE

# 3.6 Mil

PRODUCT CODE	SIZE (IN)	SIZE (MM)	QUANTITY
018-0001	6 x 28	152 x 711	100
018-0400	10 x 20	254 x 508	100
018-0401	10 x 24	254 x 610	100
018-0301	10 x 26	254 x 660	100
018-0402	12 x 20	305 x 508	100
018-0007	16 x 18	406 x 457	100
018-0403	18 x 18	457 x 457	100
018-0300	22 x 24	559 x 610	100
018-0130	4 × 6	102 x 152	100
018-0131	6 x 12	152 x 305	100
018-0134	6 x 26	152 x 660	100
018-0136	8 x 10	203 x 254	100
018-0410	8 x 20	203 x 508	100
018-0137	12 x 16	305 x 406	100
018-0304	23 x 32	584 x 813	100



### Pink Antistatic Gusset Bags

The pink antistatic gusset bag prevents the build-up of electrostatic fields. It features a robust, re-usable design. The pink colour is a colourant added to differentiate static control materials from standard packaging. This product is suitable for packaging non-ESD sensitive items where they are to be used within an EPA.



#### **FEATURES & BENEFITS**

- 2 sizes available
- Blow-moulded with antistatic additives from LDPE
- Ability to dissipate a static charge to ground preventing static charge building up on the package or device
- Will not generate a charge when rubbed against other materials
- Custom sizes available

PRODUCT CODE	SIZE (MM)	QUANTITY
002-0018	750 x 1000 x 1200	10
002-0017	460 x 750 x 1080	20

### **Black Conductive Bags**

Manufactured from carbon loaded LDPE, our black conductive bags featuring the industry standard antistatic logo provide a traditional method of packaging electronic devices. These high-quality, light-tight bags avoid accumulation of electric charge on the bag and its contents, and the black material also ensures contents are shielded from view for additional security.

#### **FEATURES & BENEFITS**

This product can be heat sealed and offers medium level static protection

- The surface resistance of 10<sup>3</sup> 10<sup>5</sup> Ohms
- Solid black material prevents contents from being visible
- Antistatic logo shows that contents are sensitive to the risks of ESD
- 300 gauge thickness

PRODUCT CODE	SIZE (IN)	SIZE (MM)
006-0001	3 x 5	76 x 127
006-0003	4 x 6	102 x 152
006-0009	5 x 8	127 x 203
006-0012	6 x 8	152 x 203
006-0013	6 x 10	152 x 254
006-0020	8 x 10	203 x 254
006-0021	8 x 12	203 x 305
006-0026	10 x 12	254 x 305
006-0027	10 x 14	254 x 355
006-0037	12 x 16	305 x 406



100

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### **Desiccants**

Desiccants are ideal for protecting packaging and enclosure contents that are susceptible to damage from moisture such as electronic components. They have an absorption performance suited to a wide range of product types, environments and humidity levels.

The addition of Humidity Indicator Cards (HIC) allow a visual check of the humidity levels inside enclosures or packaged items. This also gives a fast evaluation of the desiccants performance.



### Clay

Bentonite clay is a naturally occurring mineral as opposed to a chemically synthesized absorbent. Therefore it is more economical than silica gel or molecular sieves.

The performance curve exceeds both industry standards, and the silica gel performance curve for these same specifications.

#### **FEATURES & BENEFITS**

- Synthetically produced from alumina silicates
- Absorption capacity of 20%
- Rapid absorption performance
- Other sizes available upon request

PRODUCT CODE	SIZE
309-0043	4 Unit

### Silica Gel

Silica gel is a synthetically produced form of silicon dioxide in the form of hard irregular granules or beads.

A microporous structure of interlocking cavities gives a very high surface area making silica gel a high capacity desiccant.

### **FEATURES & BENEFITS**

- Water molecules adhere to the gels
- No chemical reaction
- Available forms: indicating and non-indicating

PRODUCT CODE	WEIGHT (G)
309-0081	10
309-0082	25
309-0083	50
309-0084	100

### **Moisture Sensitive Device Label**

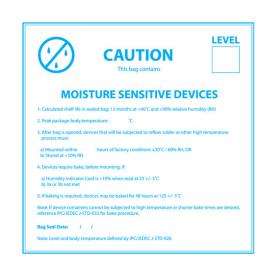
These blue, self-adhesive caution labels can be used to indicate that the enclosed product is sensitive to moisture. They meet with IPC/JEDEC J-STD-033 standard and can be used as part of your moisture barrier packaging programme.

#### **FEATURES & BENEFITS**

- White labels with blue print
- Conform to IPC/JEDEC J-STD-033 standard
- Can be used between 0°C and 75°C (although should not be applied at less than 15°C)
- Industry standard design

#### **PRODUCT CODE**

055-0094



### **Humidity Indicator Cards**

Humidity Indicator Cards (HICs) provide a low-cost method of indicating humidity conditions inside a moisture barrier bag after vacuum packaging. The indicator spots on the HIC's change colour as the humidity increases and decreases.

In order to constantly verify that dry packaging methods are not compromised during storage and transport of these products, humidity indicator cards allow users along the supply chain to monitor the package conditions. Indicator spots change after exposure to the relevant relative humidity conditions. The cards are reversible and change as conditions vary in the packaging environment, allowing users to monitor the condition of product packaging.

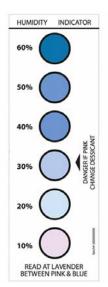
#### **FEATURES & BENEFITS**

- Lightweight material
- Quickly measures humidity levels
- Can be vacuum sealed
- Cost-effective solution
- Early identification prevents damaged items from entering production line
- Identify and/or monitor humidity levels prior to opening inner contents

### **Standard**

These standard humidity indicator cards are a quick and easy way to verify that dry packaging methods are not compromised during storage and transport of products in moisture barrier bags. The early identification prevents damaged items from entering production by identifying and/or monitoring humidity levels prior to opening inner contents.

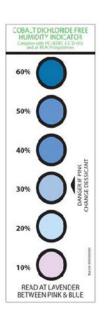
PRODUCT CODE	NOTES	PERCENTAGE
309-0004	3 Spot	5, 10, 15
309-0005	6 Spot	10 - 60



### **Cobalt-Dichloride Free**

Cobalt-dichloride free humidity indicator cards provide electronic and semiconductor manufacturers with a JEDEC-compliant humidity indicator card that is free of cobalt-dichloride, a chemical regulated under European Chemical Bureau (ECB) REACH directives.

PRODUCT CODE	NOTES	PERCENTAGE
309-0069	3 Spot	5, 10, 60
309-0129	4 Spot	10 - 40
309-0072	6 Spot	10 - 60



# PACKAGING AND STORAGE

ESD packaging has a highly technical bespoke material composition. ESD packaging covers a large range of static control products such as ESD safe films, thermal container liners and Corstat® conductive corrugated board.

Corstat® conductive corrugated board.

Corstat® packaging and handling products are well known as the ESD industry standard for conductive / anti-static performance.



### Pink Antistatic Bubble Film

This pink antistatic bubble film is suitable for packaging non ESD items within an ESD protected area. The soft texture and sealed air bubbles offer superior cushioning along with shock proof function, protecting the contents.



#### **FEATURES & BENEFITS**

- Blow moulded LDPE with antistatic additives from
- The sealed air bubbles offer superior cushioning and shock proof function
- Soft texture and flexible material
- Manufacturing method: two layer extrusion with calendar roll to thermoform bubble
- Large bubble sizes available

PRODUCT CODE	SIZE	QUANTITY
005-0001	1500mm x 100m	1
005-0002	750mm x 100m	2
005-0003	500mm x 100m	3
005-0004	300mm x 100m	5

## Pink Antistatic Stretch Wrap

Antistatic stretch wrap is designed for use within an ESD protected area. This stretch wrap has an impregnated antistatic agent which protects against the build-up of charges. Creates a strong, durable and electrostatic protective barrier for sensitive devices and components and comes with a surface resistivity  $>10^{-5}$   $<10^{-10}$  Ohms.

### **FEATURES & BENEFITS**

- Creates a strong, durable and electrostatic protective barrier for sensitive devices and components
- Soft texture and flexible material
- Surface resistance >10<sup>5</sup> <10<sup>10</sup> Ohms
- Thickness: 0.025mm

PRODUCT CODE	LENGTH (M)	WIDTH (MM)
019-0003	300	500





### Conductive PCB Rack

A conductive polypropylene printed circuit board rack for ESD safe handling and storage within assembly areas. Holds up to 25 PCBs.

#### **FEATURES & BENEFITS**

- Black conductive polypropylene PCB rack
- Surface resistance 10<sup>3</sup>–10<sup>5</sup> Ohms
- Conforms to IEC 61340-5-1
- Ideal for the transportation and storage of PCBs

PRODUCT CODE	SIZE (MM)	QUANTITY
025-0111	265 x 205 x 95	1



### Conductive PCB Rack

Black conductive polypropylene PCB rack. Ideal for ESD safe handling and storage of PCBs within assembly areas and can hold up to 35 PCBs. Moulded from conductive polypropylene with a metal (aluminium) frame for extra rigidity and handles for convenience.



### FEATURES & BENEFITS

- Grove size (WxHxD) 3mm x 5mm x 220mm
- Surface resistance 10<sup>3</sup>–10<sup>5</sup> Ohms
- Conforms to IEC 61340-5-1
- Ideal for the transportation and storage of PCBs

PRODUCT CODE	SIZE (MM)	QUANTITY
025-0026	460 x 280 x 160	1

# **Conductive Storage Bins**

Our sturdy and robust black conductive storage bins come in a wide range of sizes and they can be easily integrated into shelving and stacked. The can withstand temperatures between -20° and +100° Celsius.

### **FEATURES & BENEFITS**

- Polypropylene resistant to most oils, acids and alkalis
- Smooth internal walls for easy cleaning
- Recessed handgrip on the back panel for secure manual transport
- Stacking rims allow for a more efficient use of space
- Minimum order quantities apply

PRODUCT CODE	SIZE (MM)
025-0009	90 x 100 x 50



### **Antistatic Waste Bins**

Conductive Waste Bins, when used in conjunction with our range of antistatic bin liners, provide a comprehensive ESD safe solution to waste disposal. Featuring the ESD logo for easy identification, these bins are designed specifically for use in EPAs.

#### **FEATURES & BENEFITS**

- Made of black, carbon infused polypropylene
- Marked with ESD logo
- Volume resistance: 10⁴ 109 Ohms
- Washable

PRODUCT CODE	SIZE (L)	NOTES
091-0070	15	No lid
091-0071	20	With lid
091-0072	35	No lid
091-0073	40	With lid
091-0074	60	With lid
091-0075	120	With lid
091-0076	240	With lid



### **ESD Refuse Sacks**

Our ESD Refuse Sacks are specifically designed for the particular needs of the electronics industry and when used in conjunction with our range of antistatic bins, provide a comprehensive ESD-safe solution to waste disposal in an ESD protected area.



#### **FEATURES & BENEFITS**

- Made of homogeneous, non-amine antistatic polyethylene which is effective at low relative humidities
- Marked with ESD logo
- Surface resistance: <10<sup>11</sup> Ohms
- 110 Litre
- Available in 6 colours

PRODUCT CODE	COLOUR	QUANTITY
091-0028	Blue	100
091-0036	Yellow	100
091-0046	Clear	100
091-0047	Green	100
091-0053	Black	100
091-0056	Pink	100

### Corstat® Packaging

The conductive range offers a convenient and safe way to store and transport static sensitive devices. The conductive coating provides Faraday Cage protection and the antistatic foam insert provides ESD-safe cushioning to protect the box contents. Manufactured from conductive, corrugated fibreboard, the conductive packaging range is available from stock in a range of sizes, supplied with cushioning and protective pink, antistatic foam.

### **Component Boxes**

#### **FEATURES & BENEFITS**

- Delivered flat packed or assembled
- Can be provided with soft antistatic foam, or high density pin stick grade conductive foam
- ESD safe method of storing and transporting static sensitive devices



PRODUCT CODE	SIZE (MM)	NOTES
026-0002	60 x 60 x 25	Flat Packed
026-0003	100 x 100 x 38	Flat Packed
026-0020	74 x 64 x 40	Flat Packed
026-0151	146 x 146 x 24	Flat Packed
026-0152	178 x 89 x 25	Flat Packed
026-0153	40 x 40 x 15	Flat Packed
026-0204	135 x 50 x 20	Flat Packed

# **Reel Storage**

#### **FEATURES & BENEFITS**

- Available as 7" and 15" reel options
- Can be bought as single, double and triple module units
- Delivered fully assembled and configured to your requirements

PRODUCT CODE	SIZE (MM)	CELL WIDTH (MM)	NUMBER OF CELLS	REEL (IN)
026-1071	200 x 240 x 93	18	11	7
026-1072	200 x 240 x 93	32	7	7
026-1073	200 x 240 x 93	18	22	7
026-1074	200 x 240 x 93	32	14	7
026-1075	200 x 240 x 93	18	33	7
026-1076	200 x 240 x 93	32	21	7
026-1077	200 x 385 x 93	18	11	15
026-1078	200 x 385 x 93	32	7	15
026-1079	200 x 385 x 93	18	22	15
026-1080	200 x 385 x 93	32	14	15
026-1081	200 x 385 x 93	18	33	15
026-1082	200 x 385 x 93	32	21	15

# **Chip Boxes**

#### **FEATURES & BENEFITS**

- Delivered flat packed for cost-effective shipping and streamlined storage
- Can be provided with soft antistatic foam, or high density pin stick grade conductive foam
- ESD safe method of shipping chips and small electronic devices



PRODUCT CODE	SIZE (MM)	NOTES
027-0017	90 x 30 x 15	Flat Packed
027-0019	100 x 60 x 15	Flat Packed
027-0018	120 x 100 x 15	Flat Packed
027-0023	140 x 40 x 15	Flat Packed
027-0024	160 x 80 x 15	Flat Packed
027-0027	180 x 80 x 15	Flat Packed

### In plant Handlers

### **FEATURES & BENEFITS**

- An adjustable inplant handler system partitions can be moved or removed to achieve the desired cell size
- Offer high levels of ESD protection
- Bespoke solutions available if required



PRODUCT CODE	INTERNAL SIZE (MM)	CELL DIMENSIONS (MM)	CELLS
026-1044	575 x 305 x 328	124 x 25 x 326	40
026-1051	575 x 305 x 400	514 x 25 x 398	10
026-1052	455 x 245 x 480	198 x 19 x 478	20
026-1058	425 x 245 x 190	121 x 19 x 188	30
026-1061	550 x 390 x 186	49 x 43 x 184	80
026-1062	550 x 390 x 186	92 x 43 x 184	40
026-0465	332 x 274 x 128	64 x 24 x 126	50
026-1064	332 x 274 x 128	198 x 24 x 126	10
026-1065	448 x 348 x 124	42 x 32 x 122	100
026-1066	448 x 348 x 124	86 x 32 x 122	50
026-0464	378 x 368 x 66	70 x 15 x 64	100
026-1069	578 x 299 x 80	110 x 16 x 78	80
026-1070	578 x 299 x 80	240 x 16 x 78	32

### **Antistatic Cable Ties**

Antistatic cable ties available for use within an electrostatic protected area. These cable ties ensure secure fixture, are tamperproof and have a tensile strength of 50lbs.



#### **FEATURES & BENEFITS**

- Rated 10<sup>7</sup> 10<sup>8</sup> Ohms
- Tamperproof
- Tensile strength: 50lbs
- White

PRODUCT CODE	SIZE (INCH)	SIZE (MM)	QUANTITY
064-0001	0.19 x 8	4.8 x 203	100
064-0002	0.1 x 6	2.54 x 152.4	1000

### Conductive PCB Hook and Loop Strap

Our conductive hook and loop strap is excellent for binding individual packages together at any one time. Made with static free hook and loop fasteners, this coated ESD nylon strap is available in black as standard.

#### **FEATURES & BENEFITS**

- Manufactured from coated ESD nylon
- Black
- 10<sup>2</sup> 10<sup>5</sup> Ohms

PRODUCT CODE	SIZE (MM)	QUANTITY
068-0010	550 x 25	1
068-0025	450 x 19	1



### **Thermal Liner**

Antistat container liners provide an effective thermal barrier against temperature fluctuations, which are associated with shipping containers. The lightweight, strong material is also low in volume, allowing maximum protection with little disruption to the space inside the container.



#### **FEATURES & BENEFITS**

- Protects valuable shipments
- Protects against summer and winter temperatures
- Lightweight
- 1.2 x 27 metres

PRODUCT CODE	SIZE (M)
016-9999	1.2 x 27



# **Anti-Fatigue Matting**

These anti-fatigue, ergonomic, anti-slip, and ESD mats are of supreme quality, durable, and come with a life span of 3-5 years (\*use dependent). Perfect for operators who stand during working hours on hard, slippery or cold floors improving the standing comfort by around 50%.

# **Deck Matting**

### **FEATURES & BENEFITS**

- Yellow safety borders on two sides
- Strong top surface
- Deck plate design
- 16mm thickness

PRODUCT CODE	SIZE (CM)	NOTES
082-0462	61 x 91	Individual
082-0461	61 x 100	Individual
082-0460	61 x 18.3m	Roll



# **Textured EPA Matting B1 - Fire Retardant**

### **FEATURES & BENEFITS**

- Fire-retardant matting (DIN 4102/B1)
- Bevelled edges on all sides
- Super elastic and durable antistatic PU Foam
- 14mm thickness

PRODUCT CODE	SIZE (CM)	SURFACE
082-0420	66 x 96	Bubble
082-0421	66 x 186	Bubble
082-0422	96 x 126	Bubble
082-0423	96 x 186	Bubble
082-0430	66 x 96	Disc
082-0431	66 x 186	Disc
082-0432	96 x 126	Disc
082-0433	96 x 186	Disc



# **Textured EPA Matting**

### **FEATURES & BENEFITS**

- Super elastic and durable antistatic PU Foam
- Bevelled edges on all sides
- Retains permanent shape

PRODUCT CODE	SIZE (CM)	SURFACE	THICKNESS (MM)
082-0400	66 x 96	Bubble	12-14
082-0401	66 x 186	Bubble	12-14
082-0402	96 x 126	Bubble	12-14
082-0403	96 x 186	Bubble	12-14
082-0410	66 x 96	Disc	12-14
082-0411	66 x 186	Disc	12-14
082-0412	96 x 126	Disc	12-14
082-0413	96 x 186	Disc	12-14



# Textured ESD Anti-slip, Oil Resistant Matting

### **FEATURES & BENEFITS**

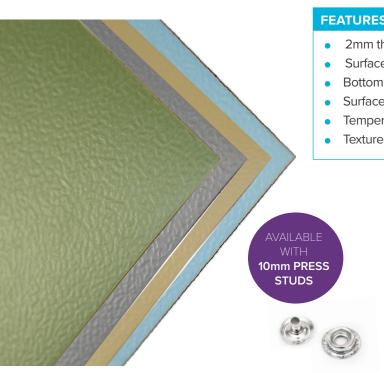
- Oil-proof 100% nitrile rubber compound
- Elastic, strong and durable virgin nitrile rubber
- Bevelled edges on all sides



PRODUCT CODE	SIZE (cm)	SURFACE	THICKNESS (MM)
082-0440	66 x 96	Cone	13
082-0441	66 x 186	Cone	13
082-0442	96 x 126	Cone	13
082-0443	96 x 186	Cone	13
082-0450	66 x 96	Disc	12-14
082-0451	66 x 186	Disc	12-14
082-0452	96 x 126	Disc	12-14
082-0453	96 x 186	Disc	12-14

# ESD Bench Matting - 2 Layer - Textured

A textured ESD bench mat 2 layer designed for use on benches within the EPA. The surface of this ESD bench mat is designed with a reflection breaking finish to improve operator comfort and reduce glare. The natural resilience of rubber makes this mat extremely hard wearing and resistant to chemical agents normally used for maintenance. ESD bench mat 2 layer also resists most oils and is heat resistant to most soldering debris and hot metal parts.



### **FEATURES & BENEFITS**

- 2mm thick double-layer matting
- Surface layer is a 0.5mm thick static-dissipative layer
- Bottom layer is a 1.5mm thick conductive layer
- Surface resistance: 1×10<sup>6</sup> > R < 1×10<sup>9</sup> Ohms
- Temperature resistance: 180°C (Instantaneous Temp)
- Textured surface finish reduces glare and improves operator comfort

PRODUCT CODE	SIZE*	COLOUR
082-0028	1.2m wide / 10m length roll	Blue
082-0034	1.2m wide / 10m length roll	Grey
082-0035	1.2m wide / 10m length roll	Green
082-0024	600 x 1200mm	Blue
082-0025	600 x 1200mm	Grey
082-0030F	600 x 1200mm	Beige
082-0035F	600 x 1200mm	Green
* Sold per linear metre		

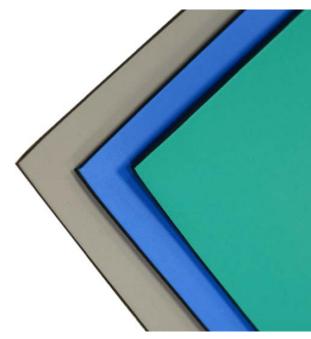
### ESD Bench Matting - 2 Layer - Smooth

This great value, smooth finish ESD bench mat 2 layer is ideal for laying on the workbenches in the workshops or laboratories of microelectronic industries. ESD bench mat 2 layer provides an excellent ESD surface for use within all ESD protected environments, preventing damage from harmful static charges. Manufactured from synthetic rubber, its 2mm thick double-layer structure consists of a 0.5mm thick static-dissipative surface layer and a 1.5mm thick conductive bottom layer.

### **FEATURES & BENEFITS**

- 2mm thick double-layer matting
- Surface layer is a 0.5mm thick static-dissipative layer
- Bottom layer is a 1.5mm thick conductive layer
- Surface resistance: 1×10<sup>6</sup> > R < 1×10<sup>9</sup> Ohms
- Temperature resistance: 180°C (Instantaneous Temp)
- Textured surface finish reduces glare and improves operator comfort

PRODUCT CODE	SIZE	COLOUR
082-0043	1.2m wide / 10m length roll	Grey
082-0044	1.2m wide / 10m length roll	Blue
082-0056	1.2m wide / 10m length roll	Green
082-0070	600 x 1200mm	Blue
082-0074	600 x 1200mm	Grey
082-0072	600 x 1200mm	Green



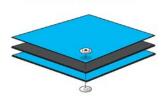
# ESD Bench Matting - 3 Layer - Smooth

Our antistatic mat 3 layer with a smooth finish provides excellent ESD protection. Suitable for both ESD workbenches and EPA floor areas. The mat is easy to clean and has excellent lay flat properties for a flat work surface. It is also supplied with a 10mm press stud in each corner.

#### **FEATURES & BENEFITS**

- 3mm thick double-layer matting
- Surface layer is a 1.25mm thick static-dissipative layer
- Middle layer is a 0.5mm conductive layer
- Bottom layer is a 1.25mm thick static-dissipative layer
- Surface resistance: 1×10<sup>6</sup> > R < 1×10<sup>9</sup> Ohms
- Made from antistatic (conductive) and static dissipative materials with synthetic rubber

Static Dissipative Layer Conductive Layer Static Dissipative Layer



PRODUCT CODE	SIZE*	COLOUR
082-0310	1.2m wide / 12m length roll	Green
082-0311	1.2m wide / 12m length roll	Grey
082-0312	1.2m wide / 12m length roll	Blue
082-0319	600 x 1200	Blue
082-0318	600 x 1200	Grey
082-0317	600 x 1200	Green
082-0320	600 x 1800	Blue
082-0321	600 x 1800	Grey
	*sold per linear metre	



# **Anti-Slip ESD Mats**

A multi purpose, antistatic / ESD mat for use on either workstation benches or as a flooring solution in the workshops of advanced laboratories for microelectronic industries. Made from antistatic (conductive) and static-dissipative materials with synthetic rubber.

### **FEATURES & BENEFITS**

- Textured surface provides slip resistance and even footing
- Excellent abrasion resistance
- Resistant to cuts, tears, impact damage, fire, and most chemicals
- Surface layer is a 1mm thick static-dissipative layer
- Bottom layer is a 2mm thich conductive layer
- Surface Resistance: 1×10<sup>6</sup> > R < 1×10<sup>9</sup> Ohms

PRODUCT CODE	COLOUR	SIZE
082-0066	Blue	1.2m wide / 12m length roll
082-0068	Blue	600mm x 1200mm



### **Black Conductive Matting**

ESD black conductive mat has excellent heat and chemical resistance. Available in black 1.5mm thick conductive rubber and textured both sides. Can be supplied with a 10mm press stud in the corner (see detailed table below). Suitable for laying on workbenches.



#### **FEATURES & BENEFITS**

- 1.5mm thick, smooth, black conductive rubber
- Surface resistivity: 10<sup>3</sup> 10<sup>5</sup>
- Temperature Resistance: Max 130°C
- Static Decay (5000 500V): <0.01 sec</li>
- Can be supplied with press studs

PRODUCT CODE	SIZE (MM)
082-0045	550 x 900
082-0002F2	700 x 500
082-0002F3	1000 x 700
082-0002F4	700 x 3000
082-0002F5	1100 x 2400
082-0012	1.2m x 12m roll

### **Antistatic Adhesive Mats**

These multi-layer adhesive mats are suitable for clean environments up to an ISO 6 rating. Helping to control particle contamination by trapping debris from the soles of shoes, each mat has 30 numbered peel-off layers, making it easy to maintain a clean, effective surface.

### **FEATURES & BENEFITS**

- Peel-off sheets make it easy to maintain a clean, effective surface
- The surface is not damaged by shoes, boots or trolley wheels
- Numbered corners allows easy monitoring of remaining sheets
- Surface resistance: 10<sup>10</sup> Ohms
- 30 sheets per mat, and 4 mats per case

PRODUCT CODE	SIZE (IN)
609-0010	18 x 45
609-0011	26 x 45
609-0012	36 x 45



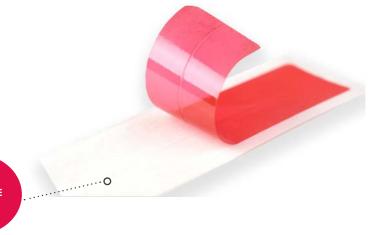


# **Tape Connectors**

Splice tape connectors are quick and easy to use, they can help to increase production and can be used on all SMT pick and place feeders. Splice tape connectors provide a safe and reliable way to splice carrier tape together ensuring a precise secure join. Jointing can be achieved by using our manual splice tool or semi-automatic splice tool.

PRODUCT CODE	COLOUR	SIZE (MM)	QUANTITY
029-1098	Red	8	1000
029-1005	Red	12	500
029-1006	Red	16	500
029-1007	Red	24	500
029-1099	Red	32	1000
029-1100	Red	44	1000
029-1101	Red	56	1000
029-1029	Yellow	8	1000
029-1030	Yellow	12	500
029-1031	Yellow	16	500
029-1049	Yellow	24	1000
029-1055	Yellow	32	1000
029-1056	Yellow	44	1000

# Available in 500 or 1000 pieces Can be used on all SMT pick and place feeders For use with SMT Manual splice tool Available in two colours



### SELF ADHESIVE BACKING

### Tape extenders

Splice tape extenders are used for adding extra length to a part reel reducing component waste.

By peeling off the backing tape from the yellow adhesive end and attaching this to the original carrier tape, these extenders can add an extra 19" of tape, preventing component reel wastage and helping to reduce machine downtime.

#### **FEATURES & BENEFITS**

- Reduce waste of component reels that do not have a leader
- Add an extra 48cm (19") of tape
- Available in a range of widths
- 250 or 500 per pack depending on size

PRODUCT CODE	SIZE (MM)	QUANTITY
029-1012	8	500
029-1013	12	500
029-1014	16	500
029-1015	24	250
029-1016	32	250



# **Carrier Tape**

Lengths of flat carrier tape can be supplied which are used for reel leaders on a partial reel of components. Spliced in the same way as reel to reel, this extender allows the user to use every available component on the reel.

Antistat's carrier tape is available in all standard tape widths.

PRODUCT CODE	SIZE (MM)	COLOUR	QUANTITY
029-1081	8 (0.5mm thickness)	White	500
029-1082	8 (0.95mm thickness)	White	500
029-1083	8	Black	500
029-1084	12	Black	500
029-1085	16	Black	250
029-1086	24	Black	250
029-1087	32	Black	250
029-1088	44	Black	250
029-1089	56	Black	250
029-1090	8	Transparent	500
029-1091	12	Transparent	500
029-1092	16	Transparent	250
029-1093	24	Transparent	250
029-1117	32	Transparent	250
029-1118	44	Transparent	250

### **FEATURES & BENEFITS**

- Flat leader punched hole tape
- Use with all major SMT pick and place feeders
- Cover tape attached top
- Available in a range of colours
- Quantity ranges from 250 to 500 per pack depending on size

# 7 Inch Component Packaging Reels

7" component packaging reels provide excellent protection when shipping small components packaged in carrier tape, such as bare die and small integrated circuit packages. Made from high-impact polystyrene (HIPS) for added strength and durability, our 7" reels are available in a variety of widths.

### **FEATURES & BENEFITS**

- Available in 8mm, 12mm, 16mm and 24mm widths
- Reel flange accommodates labels up to 2" x 4"
- Surface resistance  $\geq 1 \times 10^5 \Omega \leq 1 \times 10^{11} \Omega$
- White

PRODUCT CODE	SIZE (MM)
029-0043	8
029-0044	12
029-0045	16
029-0046	24



### **Semi Automatic Splice Tool**

Our semi-automatic splice tool eliminates the handling of individual shims by pre-loading a bandolier of brass shims into the tool to speed up the splicing process.

Lock clamps are located at either end of the platen on the splice tool, which assist in holding the carrier tape in place and make it easier to splice.

#### **FEATURES & BENEFITS**

- Stapler design hand tool
- Can be used with all types of SMT material
- Durable / hard wearing steel construction
- Ergonomically designed handle for comfort
- To be used with Bandolier Brass Splice Shims 029-1044

#### **PRODUCT CODE**

029-1039



### **SMT Manual Splice Tool**

Our manual splice tool has an ergonomic rubber handle for a soft comfortable grip and can be used with single brash shims.

#### **FEATURES & BENEFITS**

- Stainless steel material
- Can be used with all types of SMT material
- Ergonomically designed rubber soft-grip handles for comfort
- Lock clamps to secure reels
- 5mm guide pins for tape placement



### **Double Tape Connectors**

Splice tape connectors finish off the joint by adding a protective cover ensuring a secure joint and are available in all standard tape widths.

#### **FEATURES & BENEFITS**

- Can be used on all SMT pick and place feeders
- For use with SMT Manual splice tool
- Can join splice carrier tape of any width

PRODUCT CODE	SIZE (MM)	QUANTITY
029-1008	8	500
029-1009	12	500
029-1010	16	500



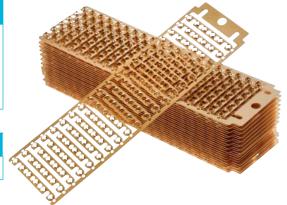
### **Bandolier Brass Shims**

Bandolier brass shims are to be used with our semi-automatic splice tool which holds 20 brass shims, eliminating the handling of individual shims.

#### **FEATURES & BENEFITS**

- Non adhesive bandolier brass shims
- Can be used on all SMT pick and place feeders
- For use with semi automatic splice tool
- Can join splice carrier tape of any width

PRODUCT CODE	QUANTITY
029-1044	20 per frame   25 per inner box   8 per case (4000 pcs)



### Single Brass Shims

Single shims are ideal to use with our SMT manual splice tool when joining carrier tape.

#### **FEATURES & BENEFITS**

- Non adhesive brass shims
- Can be used on all SMT pick and place feeders
- For use with SMT Manual splice tool
- Can join splice carrier tape of any width

PRODUCT CODE	QUANTITY	
029-0008	4000 loose pcs	



# Splice Tape with Shim

Splice tape with shim are quick and easy to use, assisting in increased production and can be used on all SMT pick and place feeders.

### **FEATURES & BENEFITS**

- Available in 250 or 500 pieces
- Can be used on all SMT pick and place feeders
- For use with a SMT Manual splice tool

PRODUCT CODE	SIZE (MM)	QUANTITY
029-1094	8	500
029-1095	12	500
029-1096	16	500
029-1097	24	250



# **High Temperature Tape**

High temperature polyimide tape is ideal for masking printed circuit boards during wave solder or solder dip processes, as well as for solder wave masking and electrical insulation. This product has remarkable dimensional stability and excellent electrical and physical properties over a wide range of temperatures.

#### **FEATURES & BENEFITS**

- Heat Resistance: 230°C
- Silicon resin adhesive
- Excellent solvent resistance
- Neither corrosive nor ozone depleting
- Flame and chemical resistant







# **ESD Floor Marking Tape**

This self-adhesive, high visibility floor marking tape is designed to be used to mark the boundaries of ESD protected areas. It adheres very well to synthetic flooring such as PVC floor tiles, and can also be confidently used on concrete floors, where it can be expected to withstand traffic, dust particles and remain intact for several months.

### **FEATURES & BENEFITS**

- Thickness of tape: 0.15mm
- Tensile strength: 28.0N / 10mm
- Manufactured to BS3887
- Available in a wide range of colours

PRODUCT CODE	SIZE	COLOUR	QUANTITY
147-0014	50mm x 33m	Yellow	1
147-0015	50mm x 33m	Red	1
147-0016	50mm x 33m	Green	1
147-0017	50mm x 33m	White	1
147-0018	50mm x 33m	Black	1
147-0020	50mm x 33m	Light Blue	1
147-0021	50mm x 33m	Brown	1
147-0024	50mm x 33m	Orange	1



### **ESD** Warning Tape

A conventional self-adhesive PVC tape with an acrylic gum adhesive. This ESD packaging tape is printed in black with the ESD symbol as specified by EN 61340-5. This tape is suitable for sealing secondary packaging of electrostatic sensitive devices, but should not be used within an EPA.

#### **FEATURES & BENEFITS**

- Printed black text and ESD logo on yellow tape
- Acrylic gum adhesive
- 76mm core diameter
- Tape is 50mm wide and each roll has 66m in length

PRODUCT CODE	SIZE
054-0002	50mm x 66m



### **ESD Grid Tape**

This self-adhesive, general-purpose ESD grid tape is for use within the EPA. Manufactured from a silicone-free, low-residue polypropylene and coated with a conductive surface, it is ESD safe. Fully printed with a grid pattern and the ESD caution logo for clarity. This product conforms to ES 61340-5-1/5-2.



#### **FEATURES & BENEFITS**

- Total thickness: 49 microns
- Tensile strength: MD 5kg / 15mm (minimum)
- Temperature resistance: 60oc / 140oF (maximum)
- Conforms to EN 61340-5-1/5-2

PRODUCT CODE	SIZE	QUANTITY
154-0140	12mm x 40m	1
054-0109	24mm x 40m	1
054-0114	48mm x 40m	1
054-0111	19mm x 40m	1

### **Hazard Marking Tape**

A heavy-duty, highly-visible hazard marking tape designed to demarcate hazardous areas. Manufactured from a heavily plasticised film which is coated with an aggressive pressure-sensitive adhesive, the tapes are available in a number of striking colourways.

#### **FEATURES & BENEFITS**

- Thickness of tape: 0.15mm
- Tensile strength: 28.0N / 10mm
- Manufactured to BS3887 and DEF.STAN 75.7/1

PRODUCT CODE	COLOUR	SIZE	QUANTITY
147-0012	Yellow and Black	50mm x 33m	1



# GROUNDING

The primary means of protecting ESD susceptible items is to provide a controlled ground path for ESD sensitive items. Effective grounding protects sensitive areas from the damage caused from ESD. Our products are designed to maximise operator performance and safety by using high quality materials and build quality.





### **ESD Field Service Kit**

This ESD safe field service engineers kit is a neat and handy portable EPA for use when away from your permanent workstation.

The compact yet highly visible red pouch contains a mat, wrist band, coiled earth lead and straight earth lead so you can safely work to EN 61340-5-1 requirements.

PRODUCT CODE	SIZE (MM)
069-0003	590 x 590

#### **FEATURES & BENEFITS**

- Creates an instant EPA for safe working
- Red pouch ensures the kit is easily visible
- Self-contained kit keeps everything safely stored
- For use in the field where there is no EPA
- To provide an instant solution

### **ESD Workstation Kit**

This ESD workstation kit has all the equipment needed to create a static controlled workspace. Featuring high quality Antistat products, the kit enables you to stop any unnecessary damage to delicate electronic components or devices. It is perfect for repairs on electrical items such as laptops, tablets, PCB's, computer parts etc.

Available with five different language options for the signage – English, French, German, Italian and Spanish.



# Earth Plug 3 x 10mm Stud

This ESD earth bonding plug incorporates 3 x 10mm male studs for connection of grounding wire. Designed to connect matting, wrist straps or equipment to a common grounding point to ensure any static charges are dissipated safely.

#### **FEATURES & BENEFITS**

- Neutral and mains voltage pins are plastic
- Metal earth pin
- 1 Meg Ohm Resistor
- Both UK and EU options available

PRODUCT CODE	SIZE	NOTES
070-0011	3 x 10mm Male Studs	UK
070-0017	3 x 10mm Male Studs	EU





# Earth Plug Shrouded Banana Socket & Stud

This ESD earth plug incorporates two shrouded 4mm banana sockets and a 10mm male stud. Designed for UK standard mains plug outlets, these plugs are designed to produce a path to ground for wrist straps, matting or test equipment.

### **FEATURES & BENEFITS**

- Neutral and mains voltage pins are plastic
- Metal earth pin
- 1 Meg Ohm Resistor

PRODUCT CODE	SIZE	NOTES
070-0012	2 x Banana socket and 1 x 10mm stud	UK

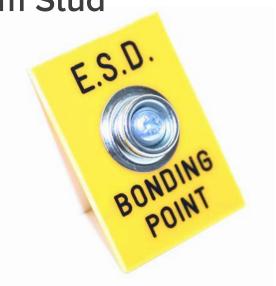
**ESD Bonding Point with 10mm Stud** 

This single ESD bonding point provides a grounded fixture to which EPA equipment may be connected or 'bonded', usually via a grounding wire or cord. Supplied with a single 10mm male stud and clearly marked with black text stating "E.S.D. Bonding Point".

#### **FEATURES & BENEFITS**

- Supplied with a single 10mm Stud
- Impact resistant ABS
- High quality cord in blue for visibility

PRODUCT CODE	SIZE (MM)
070-0003	35 x 25



# **Wrist Strap Set**

The fabric wrist strap and stainless steel design is hypoallergenic to reduce the risks of skin allergies. With a 6ft long coiled earth lead, and either a 10mm press stud or 4mm banana termination, this is an ideal set to reduce the dangers of static electricity damage in your EPA.

### **FEATURES & BENEFITS**

- Wrist strap has a conductive interior made of hypoallergenic stainless steel nylon filament
- Wrist strap has a surface resistivity of 10<sup>3</sup> Ohms
- 6ft long grounding cord incorporating a 1M ohm resistor for operator safety

PRODUCT CODE	SIZE
066-0053	10mm Stud - 4mm Banana
066-0055	10mm Stud - 10mm Stud





PRODUCT CODE	QUANTITY
066-0064	25

# Disposable ESD Wrist Strap

Disposable ESD wrist bands are ideally suited for short term use by field engineers and for shipping along with ESD sensitive devices, such as memory upgrades. The wrist straps are individually wrapped with instructions for use.

### **FEATURES & BENEFITS**

- 4.9ft (1.5m) total length
- Fully adjustable wrist loop
- Copper foil for ground connection no tape residues are left on equipment

# **Coiled Earth Lead**

A high quality coiled earth grounding lead/cord that provides a strong connection to ground. Suitable for use with most antistatic wrist straps, the coiled cord can be stretch and recoiled back to its original length, to help maintain clear work areas.

PRODUCT CODE	SIZE (ft)	SIZE
067-0015	6	4mm stud / Banana Socket
067-0016	10	10mm Stud / 10mm Stud
067-0017	10	10mm Stud / Banana Socket
067-0018	6	4mm Stud / 10mm Stud

- Available in 6ft or 10ft
- Choice of stud or banana termination
- High quality cord in blue for visibility



# Heel Strap with Clip

A durable ESD heel strap grounder that includes a simple clip fastener for ease of use. The heel strap is designed to ensure continuous ESD protection and long-term use. The clip fastener is a convenient alternative to a hook and loop strap with its quick open and close function.

### **FEATURES & BENEFITS**

- Each heel strap incorporates a 1 Meg Ohm safety resistor
- Conductive tab: 10<sup>3</sup> 10<sup>4</sup> Ohms
- Overall resistivity: 10<sup>6</sup> Ohms
- Conforms to the requirements of ANSI/ESD S-20.20 and EIA 625

PRODUCT CODE	SIZE (CM)	COLOUR
068-0005	19	Black and Blue
068-0002	19	Fluorescent Yellow



## **ESD Toe Grounder**



A high quality, durable, reusable ESD toe grounder with adjustable hook and loop fitting, making it suitable for a variety of shoe sizes and styles.

### **FEATURES & BENEFITS**

- Each heel strap incorporates a 1 Meg Ohm safety resistor
- Can be washed
- One size fits all
- Overall resistivity: 10<sup>6</sup> Ohms

PRODUCT CODE	SIZE (CM)
068-0018	19cm

# Disposable Heel Grounder

An easy to use, cost effective, disposable heel grounder designed for temporary workers and plant visitors who need to enter static controlled areas. The grounders use the conductive yarn in the antistatic fabric to create and maintain contact between the ground and body, optimising static dissipation.



### **FEATURES & BENEFITS**

- Easy to use and comfortable to wear
- An economic solution for temporary workers and visitors
- 100% polyester and conductive coating
- Surface Resistivity: < 1 × 10<sup>5</sup> Ohms

PRODUCT CODE	LENGTH (MM)
068-0009	300

# **ESD Hook and Loop Heel Grounder**

This hard-wearing ESD heel grounder comes with a hook and loop fastening allowing for quick and easy adjustment. The grounders are reusable and ideal for long term use as they can be hand washed with mild detergent. Designed to be used in conjunction with all ESD flooring or matting, each heel grounder incorporates a 1 Meg Ohm safety resistor.

### **FEATURES & BENEFITS**

- Hard-wearing heel straps are designed for long term use
- Outer conductive surface: 10<sup>3</sup> − 10<sup>5</sup> Ohms
- Overall resistivity: 10<sup>6</sup> Ohms
- Conforms to the requirements of ANSI/ESD SP9.2-2019

PRODUCT CODE	SIZE
068-0003	One size fits all



# **ESD Sole Grounder**

Antistat offer this hook and loop type ESD Sole Grounder complete with D ring for size adjustment. Easy to fit and made with durable materials, the sole grounder is ideal for professional use within ESD protected areas.

### **FEATURES & BENEFITS**

- Available in four sizes, d-ring allows for finder size adjustment for best fit
- Reusable, designed to ensure long term ESD protection to personnel
- Each sole grounder has a built in 1M Ohm resistor
- Double layers, conductive cup

PRODUCT CODE	SIZE (MM)	SIZE
068-0020	160 x 168	S
068-0021	165 x 185	М
068-0022	170 x 210	L
068-0023	175 x 228	XL

# ESD Toe Grounder – Non-Adjustable

An elasticated toe grounder designed to fit high heeled and slip on footwear, ensuring a comfortable, long lasting path-to-ground. Suitable for use with all types of anti static flooring, and recommended that a toe grounder be worn on each foot.



### **FEATURES & BENEFITS**

- Double layer conductive rubber cup (3.5mm x 19cm)
- Outer conductive surface (black): 10<sup>3</sup> to 10<sup>4</sup> Ohms
- Inner antistatic surface (ivory): 10<sup>8</sup> to 10<sup>9</sup> Ohms
- Conductive tab (grey): 10<sup>3</sup> to 10<sup>4</sup> Ohms

PRODUCT CODE	SIZE
068-0007	One size fits all

# **Continuous Monitors**

This device is used to ensure that the user's wrist strap and ESD work surface are functioning correctly. If a malfunction is found, the unit will signal the fault giving both visual and audible alarms. Plug and play compatible with most wrist straps and bench matting.

### **FEATURES & BENEFITS**

- Audible and visual alarms
- Compatible with most single wire wrist straps and ESD mats
- Factory calibrated

PRODUCT CODE	NOTES
093-1015	Single User - Wrist Strap Only
093-1016	Single User - Wrist Strap and Bench Monitor
093-1017	Dual Operator - Single Bench Monitor









093-1016



9V Wrist Strap Tester With Wall Mount and

**Footplate** 

This 9V wrist strap tester is designed to show high/low fail and pass functions, and it can also test footwear prior to entering an EPA with both a wall mount and footplate. CE approved, this product is powered by a 9V battery, and features a low battery indicator light for convenience.

### **FEATURES & BENEFITS**

- A guick and simple 'one touch' test function
- Has a low battery indicator for maximum efficiency
- Lower limit: 750k +/-10%
- Upper limit: 35Meg +/-10%

### PRODUCT CODE

093-0019







# 9V Surface Resistance Meter

Our 9V surface resistance meter is designed to measure surface resistivity and resistance to ground. The meter will quickly, easily and accurately test conductive, static dissipative and insulative surfaces. This resistivity meter can be reliably used between 5°C and 49°C, making it suitable for a wide rage of environments.

### **FEATURES & BENEFITS**

- Test voltage: Nominal 9V
- Operating temperature: 5 49°C
- Calibration should be carried out biannually (please contact us for more information)
- Battery not supplied
- Conductive is indicated from 10<sup>3</sup> 10<sup>5</sup> by green LEDs
- Static dissipative from 10<sup>6</sup> 10<sup>11</sup> by yellow LEDs
- Insulative from 10<sup>12</sup> + by red LEDs

PRODUCT CODE	SIZE (MM)
093-0050	130 x 70 x 25



# 10V / 100V Surface Resistance Meter

This 10V / 100V surface resistance meter is ideal for accurately testing surface resistivity for ESD control applications to the latest industry standards. It is designed to measure point-to-point, the surface resistivity of plastic, polymers, large sheets of plastic or clothing materials.



### **FEATURES & BENEFITS**

- Test voltage: 10V / 100V
- High quality build
- Accurate measurement
- Measures point-to-point surface resistivity
- Measures resistance to ground
- Supplied in a conductive carry case

**PRODUCT CODE** 

093-0089

# **CLOTHING**

Antistatic clothing is an essential part of many electronic production environments, as well as laboratories, clinical environments, precision engineering environments – and should always be seen as another vital aid in an ESD protective area.

We have a range of garments and shoes which have been specially designed to be both comfortable for the user and effective in reducing the damage caused by static generation.



# **ESD PU Tip Gloves - Nylon**

These ESD knitted nylon gloves with polyurethane (PU) coating on the finger tip sections are ideal for handling electronic parts, providing extra grip and protection against sharp edges. An essential piece of kit in your ESD protected area, as well as benefiting the wearer, these gloves offer additional protection against damage to components and devices during handling.

### **FEATURES & BENEFITS**

- Dissipative carbon glove, ideal for handling electronic parts
- Breathable glove
- Dust free, elastic material
- Surface resistivity: 1 x 10<sup>6-8</sup> Ohms/cm
- Colour-coded cuffs to denote glove size

PRODUCT CODE	CUFF COLOUR	SIZE
109-0007	White	S
109-0008	Green	M
109-0013	Grey	L
109-0014	Yellow	XL



# **ESD PU Tip Gloves - Copper**

Our knitted gloves with conductive copper filament and polyurethane fingertips are the perfect choice for added ESD protection. The copper liner is one of our best sellers, used in environments where protection against ESD is critical, and the PU fingertips give better grip and protection when handling sensitive components.

### **FEATURES & BENEFITS**

- Natural bronze copper liner with white coated fingertips
- 80% nylon and 20% copper (knitted with 13 gauge) with a polyurethane fingertip coating
- Surface resistivity: 1 x 10<sup>3-5</sup> Ohms/cm
- Conductive copper glove ideal for handling electronic parts

PRODUCT CODE	SIZE
109-0037	S
109-0038	M
109-0039	L
109-0051	XL
109-0067	XXL



**ESD Seamless Knit Gloves - Carbon Stripe** 

The ESD seamless knit gloves with dissipative carbon stripe filament, is ideal for use when handling electronic parts. Available in four sizes as standard and manufactured from 90% nylon and 10% carbon, these gloves have good stretch and fit, helping to ensure user dexterity.

### **FEATURES & BENEFITS**

- Natural light grey carbon stripe
- 90% nylon and 10% carbon (knitted with 13 gauge)
- Surface resistivity: 1 x 10<sup>7-9</sup> Ohms/cm
- Colour-coded cuffs to denote glove size

PRODUCT CODE	CUFF COLOUR	SIZE
109-0412	White	S
109-0413	Green	M
109-0414	Grey	L
109-0415	Yellow	XL



**ESD PU Tip Gloves - Carbon Stripe** 

Our static dissipative knitted carbon gloves with polyurethane fingertips are ideal for handling electronic parts. The natural light grey carbon stripe and white coated fingertips are complemented by colour-coded cuffs to denote glove size.

### **FEATURES & BENEFITS**

- Natural light grey carbon stripe with white coated fingertips
- 90% nylon and 10% carbon (knitted with 13 gauge) with polyurethane fingertip coating
- Surface resistivity: 1 x 10<sup>6-8</sup> Ohms/cm
- Colour-coded cuffs to denote glove size

PRODUCT CODE	CUFF COLOUR	SIZE
109-0460	White	S
109-0461	Green	M
109-0462	Grey	L
109-0463	Yellow	XL



# ESD PU Palm Gloves - Nylon



This white, lightweight, static dissipative glove with PU coated palm is an ideal antistatic glove for electronics and component handling. The polyurethane coating on palm and fingers help to prevent product contamination as well as offering excellent grip and ESD protection.

### **FEATURES & BENEFITS**

- Elastic, breathable and dust-free
- 100% pure nylon (280 denier with 13 gauge) with polyurethane palm coating
- Surface resistivity: 1 x 10<sup>6-8</sup> Ohms/cm
- Colour-coded cuffs to denote glove size

PRODUCT CODE	CUFF COLOUR	SIZE
109-0003	White	S
109-0004	Green	М
109-0005	Grey	L
109-0006	Yellow	XL

# ESD Seamless Knit Gloves – Copper



These ESD seamless knit gloves are knitted with a conductive copper filament. Manufactured from 80% nylon and 20% copper, these warm and comfortable gloves have good stretch and fit with breathability.

### **FEATURES & BENEFITS**

- Natural bronze copper liner
- 80% nylon and 20% copper (knitted with 13 gauge)
- Surface resistivity: 1 x 10<sup>3-5</sup> Ohms/cm

PRODUCT CODE	CUFF COLOUR	SIZE
109-1009	White	S
109-1010	Green	M
109-1011	Grey	L
109-1012	Yellow	XL



# **ESD Lab Coat**

ESD lab coats can be worn to help prevent damage to sensitive electronic components that are being assembled or packaged within a protected area. Designed for comfort and to prevent antistatic charge build up.

### **FEATURES & BENEFITS**

- Made with 65% polyester, 33% cotton and 2% conductive fibre
- White with 5mm grey grid
- Stainless steel fasteners
- White
- Yellow ESD logo on left chest pocket
- Surface resistance: 10<sup>6</sup> 10<sup>9</sup> Ohms

PRODUCT CODE	SIZE
108-0186	S
108-0187	M
108-0188	L
108-0189	XL
108-0190	XXL

# ESD Lab Coat (3/4 Length)

This white ESD 3/4 lab coat has a specially integrated conductive fibre that dissipates static charges. The durable polyester and cotton mix fabric allows the garment to be worn for long periods of time, with great operator comfort.

- Made with 63% Polyester, 33% cotton, 4% conductive fibre with the carbon loaded yarns woven in a 5mm grid
- ESD logo on left sleeve
- Machine washable up to 40°C
- Resistance point-point (Rpp): 10<sup>6</sup> 10<sup>7</sup> Ohms

PRODUCT CODE	SIZE
108-6638	XS
108-6639	S
108-6640	M
108-6641	L
108-6642	XL
108-6643	XXL





# **ESD Polo Shirts**

Our ESD short sleeve polo shirts are ideal for use within an EPA area in warm environments. The ESD symbol on the sleeve allows easy identification. Our polo shirts are machine washable up to 40°C and the EN 61340-5-1 electrical properties are maintained after more than 40 launderings.

### **FEATURES & BENEFITS**

- V collar with snap-fasteners for convenience
- Variety of colours in all sizes
- Can be machine washed at up to 40°c and ironed at a maximum of 110°c
- Made of crease-resistant static dissipative knitted fabric
- ESD symbol for easy identification
- Resistance point to point (Rpp): 10<sup>6</sup> 10<sup>7</sup> Ohms

PRODUCT CODE	COLOUR	SIZE
108-6510	Navy Blue	S
108-6511	Navy Blue	M
108-6512	Navy Blue	L
108-6513	Navy Blue	XL
108-6520	Royal Blue	S
108-6521	Royal Blue	M
108-6522	Royal Blue	L
108-6523	Royal Blue	XL
108-6530	Grey	S
108-6531	Grey	M
108-6532	Grey	L
108-6533	Grey	XL
108-6541	Black	S
108-6542	Black	M
108-6543	Black	L
108-6544	Black	XL











Navy Blue

Royal Blue

Grey

Black



# **ESD Unisex Sweatshirt**

This long sleeved, static dissipative unisex sweatshirt features the ESD symbol on the arm and has ESD cuffs. With round neck styling and in versatile navy blue as standard, this sweatshirt will keep operators comfortably warm within the EPA.

PRODUCT CODE	SIZE	COLOUR
108-6500	S	Navy
108-6501	M	Navy
108-6502	L	Navy
108-6503	XL	Navy
108-6504	XXL	Navy
108-6505	XXXL	Navy
108-6506	XXXXL	Navy
108-6701	S	Black
108-6702	M	Black
108-6703	L	Black

### **FEATURES & BENEFITS**

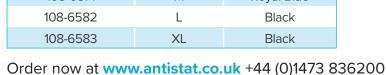
- Unisex
- Features an ESD logo on the arm
- Static dissipative material
- Compliance with EN 61340-5-1
- Resistance point to point (Rpp): 10<sup>6</sup> 10<sup>7</sup> Ohms

# **ESD T-Shirt**

This high-quality ESD short sleeve t-shirt is designed to be worn within an ESD Protected Area. Unlike conventional clothing that can generate and retain charges, the special knitted fabric of our T-Shirts actively dissipates harmful charges, helping to prevent damage to ESD sensitive components or equipment.

- Static dissipative knitted fabric
- Fibre content: 97% Cotton 3% Conductive fibres
- Resistance point-point (Rpp):  $10^6 < 10^7$  Ohms
- Material: M5 (98% polyester + 2% carbon fibre)
- Compliance with EN 61340-5-1
- Machine washable up to 40°C

PRODUCT CODE	SIZE	COLOUR
108-6550	S	White
108-6551	M	White
108-6562	L	Grey
108-6563	XL	Grey
108-6570	S	Royal Blue
108-6571	M	Royal Blue
108-6582	L	Black
108-6583	XL	Black







# **ESD Fleece**

A unisex ESD Fleece for wearing during cooler climates, or for use in low-temperature static controlled areas. The warm, polyester material has a 3% carbon fibre element for ESD resistance which is suitable for working near static sensitive components, equipment or materials. The garment features two side pockets, full-length front zip fastening and a sewn ESD logo for easy identification of operators.

PRODUCT CODE	SIZE	COLOUR
108-6629	XS	Navy Blue
108-6630	S	Navy Blue
108-6631	M	Navy Blue
108-6632	L	Navy Blue
108-6624	XL	Light Grey
108-6625	XXL	Light Grey
108-6626	XXXL	Light Grey
108-6627	XXXXL	Light Grey
108-6628	XXXXXL	Light Grey

### **FEATURES & BENEFITS**

- Unisex ESD fleece with zip fastening
- Two side pockets
- Sewed fabric ESD logo
- Available in 9 sizes, from XS to 5XL
- Resistance point-point (Rpp): 10<sup>6</sup> <10<sup>7</sup> Ohms

# **ESD High Vis Waistcoat**

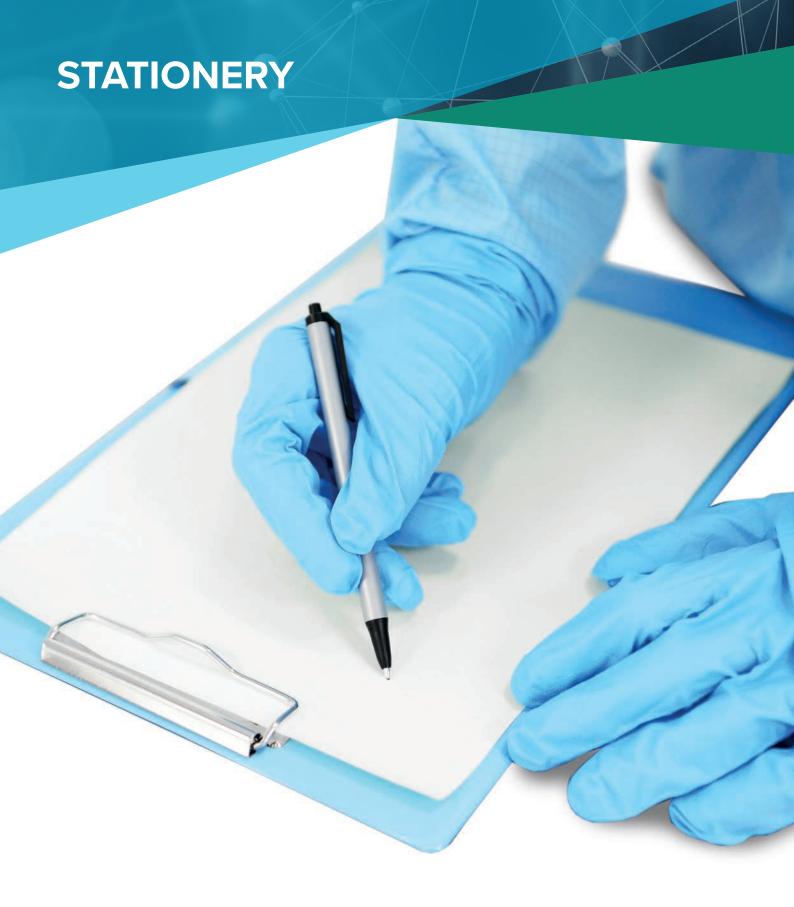
Our superior quality high visibility ESD waistcoat conforms to both Antistatic/ESD and health and safety regulations. It features adjustable hook and loop fastening for an improved fit and also has reflective stripes for additional visibility.

### **FEATURES & BENEFITS**

- Surface weight: around 120 g/m<sup>2</sup>
- Surface resistance: 10<sup>7</sup> Ohms
- Colour: fluorescent yellow
- Material: M5 (98% polyester + 2% carbon fibre)
- Certified to EN61340-5-1
- Features the industry-standard ESD symbol on the front

PRODUCT CODE	SIZE
108-8028	M
108-8029	L
108-8030	XL
108-8031	XXL





We have a wide range of essential ESD stationery items designed for protected areas. Standard office stationery is often made from high static generating materials and is often over-looked as a source of potential electrostatic damage.

Our ESD stationery products have been developed to reduce and contain the risk of damaging sensitive components or devices when being used in a controlled environment.

# **ESD Clipboards**

These antistatic clipboards are made of durable, high quality, permanently antistatic PVC. The design features ESD safe markings, which clearly identify them as compliant for static controlled areas. Compatible with A4 sized documents and with an in-built pen holder, these will prove to be an essential piece of stationery in your EPA.

### **FEATURES & BENEFITS**

- Compatible with A4 sized documents
- High quality spring loaded metal clip
- Permanently antistatic
- Durable design and materials
- ESD safe markings, identifying them as compliant for static controlled areas
- Inbuilt pen holder
- Surface resistance 10<sup>9</sup> 10<sup>10</sup> Ohms

PRODUCT CODE	SIZE
105-0006	A4



# PACKS OF 100

# **ESD Document Wallets**

Open top antistatic document wallets are designed to store paper documents whilst preventing static charges from being built up and discharged. Unlike standard office stationery, our document wallets are suitable for use within an EPA (ESD Protected Area). Available in A4 and A3 sizes, they are also EN 61340-5-1 compliant.

### **FEATURES & BENEFITS**

- Surface resistance: 10<sup>9</sup> 10<sup>10</sup> Ohms
- Available in A4 and A3
- Printed with the ESD logo
- Non stick
- EN 61340-5-1 compliant

PRODUCT CODE	SIZE
105-0007	A4
105-0017	А3

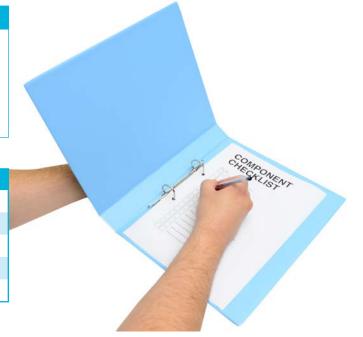
# **Ring Binders**

These antistatic ring binders are designed to replace standard high charging insulative binders within the EPA. In portrait orientation, these folders are finished in high quality, permanently antistatic blue PVC and come with either 25mm or 50mm rings. The ESD warning symbol is featured on the front and spine of the ring binder, and there is also a 65mm spine label pocket for efficiency.

### **FEATURES & BENEFITS**

- Surface resistance: <10<sup>11</sup> Ohms
- Available in A4 and A3
- Printed with the ESD logo
- D-ring mechanism
- Available in 2-ring or 4-ring configurations

PRODUCT CODE	Size	NOTES
105-0020	A4	2 x 25mm Rings
105-0021	A4	4 x 25mm Rings
105-0025	A4	4 x 50mm Rings
105-0016	Α4	2 x 50mm Rings
105-0018	А3	4 x 25mm Rings



# **ESD** Transparent Folder

This A4 transparent ESD folder is designed specifically for the safe storage of documents within ESD protected areas. With a flat bar fastening to securely hole punched papers, an embossed ESD logo on the front, and its permanent anti static properties, this is an ideal solution for safe storage of paperwork in an EPA.

### **FEATURES & BENEFITS**

- Surface Resistance: 10<sup>9</sup> 10<sup>10</sup> Ohms
- Flat bar fastening for punched papers
- Permanently static dissipative
- Embossed with the ESD logo
- Blue spine

PRODUCT CODE	Size
105-0005	A4



# **ESD Laminate Sheets**

ESD Laminating Sheets enable users to contain loose sheets of paper within a sealed sheet. Ideal for instructions within an EPA (Electrostatic Protected Area), the film material is available in both A4 and A3.

### **FEATURES & BENEFITS**

- Elongation: MD 161% / TD 120%
- Grammage of 95 g/m²
- 80 micron thickness
- Surface resistance: 10<sup>9</sup> Ohms
- Available in A4 and A3

PRODUCT CODE	SIZE
105-0094	A4
105-1004	A3



# **Conductive Laminate Sheets**

Conductive Laminating Sheets enable users to contain loose sheets of paper within a sealed sheet. Ideal for instructions within an EPA (Electrostatic Protected Area), the film material is available in both A4 and A3.

### **FEATURES & BENEFITS**

- Semi-permanent antistatic
- Static dissipative processed with durability
- Resistant against chemicals
- 80 micron thickness
- Elongation: MD 161% / TD 120%

PRODUCT CODE	SIZE
105-0069	A4
105-0066	A3

# SIGNAGE AND LABELS

ESD labels (compliant with EN61340-5-1) must appear on all packaging containing static sensitive devices. We offer a wide range of labels for electronics to compliment your ESD program. ESD Caution labels are ideal for identifying ESD sensitive items enclosed within packaging.

We also offer a range of EPA signs, self-adhesive and rigid, that can be displayed outside you ESD safe environment.

### ATTENTION ESD PROTECTED AREA

Observe Precautions
For Handling Electrostatic
Discharge Sensitive Devices







# **ESD Protected Area Sign**

This rigid ESD protected area sign is ideal for cleanroom and ESD protected workspaces. Printed in yellow and black onto 3mm foamex, the written message is accompanied by the ESD cautionary logo.

### **FEATURES & BENEFITS**

- Rigid, clean and long-lasting sign
- Carries the industry standard symbol as well as the written caution
- Available in other sizes and other languages on request

PRODUCT CODE	SIZE (MM)
055-0006	300 x 150
055-0009	600 x 300

# ATTENTION ESD PROTECTED AREA

**Observe Precautions** 

For Handling Electrostatic

**Discharge Sensitive Devices** 





# ESD Caution Label – Multi Language

Our self-adhesive, yellow ESD Caution labels come in three different languages: English, French and German. This multi-lingual ESD caution label carries the ESD cautionary symbol and text as detailed below. These labels are ideal for the marking of electrostatic sensitive packages.

PRODUCT CODE	SIZE (MM)	QUANTITY (PER ROLL)
055-0082	50 x 25	1000
055-0083	76 x 38	1000

### **FEATURES & BENEFITS**

- Yellow background with black print
- Tensile strength: MD 5.6kN/M / CD 2.7kN/M
- Service temperature: -20°C to 80°C

# **ESD Caution Labels**

A roll of self-adhesive ESD Caution Labels, ideal for the marking of electrostatic sensitive packages. Available in three different sizes to suit your needs.

- Self-adhesive for quick and easy application
- Gloss paper with backing paper for all reel stock applications, suitable for automatic dispensing
- Strong, permanent, general purpose adhesive
- Features the industry-standard design

PRODUCT CODE	SIZE (MM)	QUANTITY (PER ROLL)
055-0002	50 x 25	1000
055-0003	76 x 38	1000
055-0068	16 x 38	1000





# **ESD Flux Bottles**

Designed for precision dispensing of flux, solvents and lubricants, the high quality ESD flux bottles are made from a static dissipative polyethylene material and are available with either 20 or 26 gauge stainless steel needle tips.

### **FEATURES & BENEFITS**

- Average surface resistivity of 10<sup>9</sup> 10<sup>10</sup> Ohms/Sq
- A range of styles and sizes available
- Polypropylene

PRODUCT CODE	SIZE (OZ)
146-0010	2





# **ESD Spray Bottle**

These high quality pump action ESD spray bottles come in a range sizes to suit many precision cleaning tasks. The durable, static dissipative polyethylene material is designed to withstand continuous use within cleanrooms whilst maintaining a static free environment.

### **FEATURES & BENEFITS**

- Surface resistivity: 10<sup>9</sup> 10<sup>10</sup> Ohms/sq
- Durable static dissipative polyethylene
- Chemical resistance: solvent, TCE, alcohol
- Suitable for cleanroom use

PRODUCT CODE	SIZE (OZ)
146-0022	2
146-0023	8
146-0024	16

# **ESD Water Bottle**

ESD Drinking Bottles are an ideal replacement for static insulative disposable cups. Also suitable for clean room use, this 32oz non-greasy bottle features a sports cap to reduce spills when being used within cleanroom environments.

- Surface resistivity: 10<sup>9</sup> 10<sup>10</sup> Ohms/sq
- Spill resistant design
- Static dissipative polyethylene
- No amines

PRODUCT CODE	SIZE (OZ)
146-0077	32





# **Integrity Cleanroom IPA Wipes**

Ideal for cleanroom environments, these pre-saturated IPA low lint wipes are 70% v/v solution of Isopropyl alcohol (IPA) BP and 30% DI water and can be used in ISO 6 cleanrooms.

### **FEATURES & BENEFITS**

- 70% IPA and 30% DI Water
- 200mm x 200mm (7.9in x 7.9in)
- Polypropylene
- Fast contact time
- Low linting

PRODUCT CODE	TYPE	SIZE (MM)	QUANTITY
600-0012	Standard - Tub	200 x 200	200 Wipes
601-0015	Heavy Duty - Tub	200 x 200	100 Wipes
601-0013	Heavy Duty - Pouch	230 x 230	100 Wipes

# 100% Polyester 120gsm Wipes

These heavyweight 120gsm cleanroom polyester dry wipes are double knit with a 100% continuous-filament. All four edges are laser cut and sealed to prevent particle and fibre release. The wipes have good absorbency and wiping efficiency and also resist abrasion under vigorous cleanroom use.

### **FEATURES & BENEFITS**

- Available in a choice of three different sizes
- Laser sealed edge ensures ultra low lint and particulate level
- Resists abrasion under vigorous use
- Good absorbency and wiping efficiency
- Solvent safe, double bagged and vacuum cleanroom packed

PRODUCT CODE	SIZE (IN)	QUANTITY
600-0230	7×7	200 Wipes
600-0210	12 x 12	150 Wipes
600-0203	9 x 9	150 Wipes



# DisposableCoverall

This disposable coverall offers a cost-effective option for your disposable apparel requirements. Designed and manufactured to meet the stringent demands of the cleanroom industry, this coverall is lightweight and low-linting with excellent breathability for operator comfort. The integrated hood, elasticated cuffs and ankles, and zip close function offer the best of function and convenience.

### **FEATURES & BENEFITS**

- Ultra low linting levels
- Spun-bound polypropylene
- Cleanroom compatible
- Non-sterile

PRODUCT CODE	SIZE
600-5007E	M
600-5008E	L
600-5009E	XL
600-5010E	XXL



# **Beard Snood**

This Disposable Beard Snood offers protection against contamination from stray facial hair. Manufactured from non-woven polypropylene, it is lightweight and breathable, and its elasticated edges ensures a snug yet comfortable fit.

- Comfortable and breathable
- Used to prevent shedding of facial hair
- Elasticated for snug fit
- Offers protection to beard and moustache
- Ideal for critical environments up to ISO 5 rating

PRODUCT CODE	SIZE	QUANTITY
600-3032	One Size	1000 pcs







### **ESD ASSOCIATION MEMBER**

Ensuring our ESD and antistatic supplies meet the highest of ESD standards for your safety.

### **ISO 9001 QUALITY ASSURED**

We are focused on meeting our customers' expectations and delivering exceptional customer satisfaction.

### **CUSTOMER FOCUSED APPROACH**

With over 30 years experience, our service culture is the very core of our customer's success.

### STANDARD OF EXCELLENCE

From beginning to end our team of knowledgeable experts are here to help.

### **ANTISTAT**

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Ant Group comprises of Antistat, Cygna, Integrity Cleanroom and Cyberpac, all of which are trading divisions of ESD Control Centre Ltd. Registered No. 2526954.

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