



Part of Ant Group Ltd

ESD GLOVES

When choosing gloves for use in ESD and Cleanroom work, many parameters must be considered. The most important of which are:

1. Resistance of the glove from the object being held to the operator's hand
2. Triboelectric generation
3. Contamination
4. Personnel Sensitivity to Glove Materials



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ESD Gloves

Choosing the Right ESD Glove

The ESD Association is currently writing a test method to assist in determining the ESD properties of gloves. The test methods now being considered are for resistance testing of all gloves including nitrile. Old test methods only measured the resistance of gloves not being worn, it did not give the true capabilities of gloves to be effective after the operator's hand has perspired.

TEST PROCEDURES

Resistance – Palm to Fingers

This test records the resistance leaving the first electrode on the palm of the glove through the second electrode on each finger of the glove separately.

Resistance – Finger to Body

Measured at 10 volts, this test records the resistance between electrodes being touched by the gloved hand and the wrist.

Resistance – Palm to Body

Measured at 10 volts, this test records resistance reading between the electrode being grasped by the gloved hand and the wrist.

Triboelectric Charge Generation – Charged Plate

The gloved hand rubs the aluminum plate vigorously five times remaining in contact with the plate at all times. As the last stroke is completed, the gloved hand is removed at speed from the aluminum plate. At this point the voltage readings are recorded.

NOTES: EN 61340-5-1 paragraph 5.2.6 Gloves and finger cots: "Gloves and finger cots made from electrostatic conductive or electrostatic dissipative material are essential if hand tools are used. Gloves and finger cots made from low charging material are permitted only in circumstances when hand tools are not used. Where gloves and finger cots are removed in the EPA, they should not be placed in close proximity to ESDS."

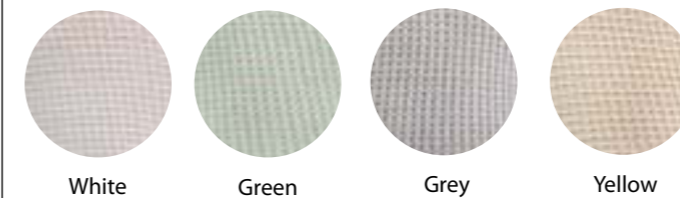
GLOVE TYPE:	CHARACTERISTICS:	USES / APPLICATION:
Nitrile Gloves	Made from synthetic latex which is a great option for workers who are allergic to latex, plus they are inherently anti-static. Nitrile gloves are also much more puncture resistant than rubber gloves and offer resistance to many types of solvents and chemicals. These gloves are usually more expensive than latex or vinyl gloves.	Electronics/ Biotec Aerospace Science Lab Examination General Purpose
Vinyl Gloves	Vinyl gloves are another option for latex-sensitive workers. Vinyl gloves usually fit baggier than latex gloves, but the material is very soft. These gloves are less durable and less puncture resistant than nitrile and latex gloves.	Electronics/ Biotec Aerospace Science Lab Examination General Purpose
Latex Gloves	Latex gloves are the gloves most people think of when rubber gloves are mentioned. These gloves are affordable, fit well, durable and very elastic. The major disadvantage with latex gloves is that they cannot be worn by workers with a latex allergy.	Electronics/ Biotec Aerospace Science Lab Examination General Purpose
Fabric Gloves	There are many variations when it comes to fabric gloves. Some hot gloves are used when handling "hot" circuit boards; the gloves dispel ESD while providing comfort for the worker. Some fabric gloves have a non-slip material on the palm and fingers for superior handling. Nylon gloves are another option. These gloves can be found in stretch, low-lint and lint-free varieties. Fabric gloves are also reusable and many times they can be washed without losing their anti-static properties. The reusable quality of fabric gloves makes them cost-effective compared to disposable gloves.	Electronics Biotec Aerospace Science
Finger Cots	Finger cots are another option for ESD protection. They come in a variety of materials and provide ESD protection with more mobility than gloves.	Electronics/ Biotec Aerospace Science

ESD PVC Dotted Palm Glove – Carbon

FEATURES:

- Dissipative ESD PVC Dotted Palm Glove – Carbon
- Colour: Natural Light Grey Carbon Liner / White Dot Palm Coating
- Material: 80% Nylon and 20% Carbon (Knitted with 13 Gauge)
: PVC (Polyvinyl Chloride) Dotted Palm Coating
- Other sizes available upon request

CUFF COLOUR:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5	85	87	90	95
Weight (g) per glove	+/- 1g	19.5	21.5	23.5	25.5
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ⁶⁻⁸ Ω/cm



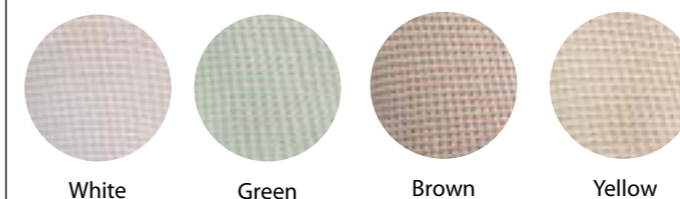
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109-0454	ESD PVC Dotted Palm Glove – Carbon	Small	Per Pair
109-0455	ESD PVC Dotted Palm Glove – Carbon	Medium	Per Pair
109-0456	ESD PVC Dotted Palm Glove – Carbon	Large	Per Pair
109-0457	ESD PVC Dotted Palm Glove – Carbon	Extra Large	Per Pair

ESD PVC Dotted Palm Glove – Copper

FEATURES:

- Conductive ESD PVC Dotted Palm Glove – Copper
- Colour: Natural Bronze Copper Liner / White Dot Palm Coating
- Material: 80% Nylon and 20% Copper (Knitted with 13 Gauge)
: PVC (Polyvinyl Chloride) Dotted Palm Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:





ESD PVC Dotted Palm Glove – Copper

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5	85	87	90	95
Weight (g) per glove	+/- 1g	19.5	21.5	23.5	25.5
Wrist Colour	-	White	Green	Brown	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ³⁻⁵ Ω/cm



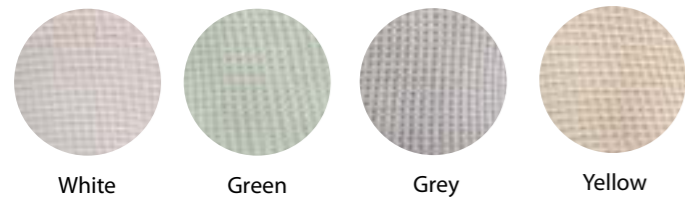
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0442	ESD PVC Dotted Palm Glove – Copper	Small	Per Pair
109-0443	ESD PVC Dotted Palm Glove – Copper	Medium	Per Pair
109-0444	ESD PVC Dotted Palm Glove – Copper	Large	Per Pair
109-0445	ESD PVC Dotted Palm Glove – Copper	Extra Large	Per Pair

ESD PVC Red Dotted Palm Glove

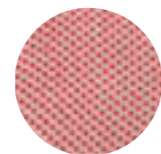
FEATURES:

- Dissipative / Elastic
- Breathable / Dust Free
- Colour: White Liner / Red Dot Palm Coating
- Material: 100% Pure Nylon (280 Denier with 13 Gauge)
: PVC (Polyvinyl Chloride) Dotted Palm Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5	85	87	90	95
Weight (g) per glove	+/- 1g	20	22	24	26
Wrist Colour	-	White	Green	Grey	Yellow

ESD PVC Red Dotted Palm Glove

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ⁶⁻⁸ Ω/cm



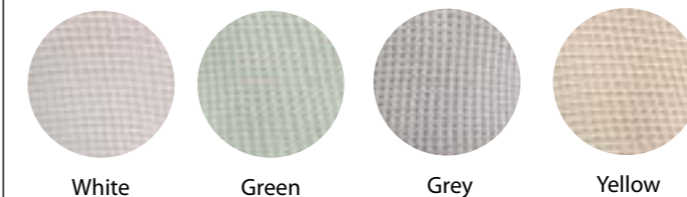
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109-0400	ESD PVC Red Dotted Palm Glove	Small	Per Pair
109-0401	ESD PVC Red Dotted Palm Glove	Medium	Per Pair
109-0402	ESD PVC Red Dotted Palm Glove	Large	Per Pair
109-0403	ESD PVC Red Dotted Palm Glove	Extra Large	Per Pair

ESD Seamless Knit Glove – Carbon

FEATURES:

- Dissipative carbon glove ideal for electronics parts handling
- Colour: Natural light grey liner
- Material: 80% Nylon and 20% Carbon (Knitted with 13 Gauge)
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	190	200	210	220
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16	16.5	18	18.5
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	EN 1149-1	1x10 ⁶⁻⁸ Ω/cm



PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0436	ESD Seamless Knit Glove – Carbon	Small	Per Pair
109-0437	ESD Seamless Knit Glove – Carbon	Medium	Per Pair
109-0438	ESD Seamless Knit Glove – Carbon	Large	Per Pair
109-0439	ESD Seamless Knit Glove – Carbon	Extra Large	Per Pair

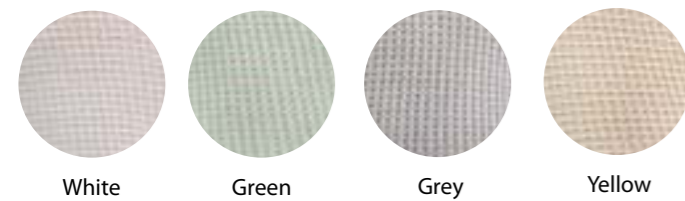


ESD Seamless Knit Glove – Carbon Stripe

FEATURES:

- Dissipative carbon glove ideal for electronics parts handling
- Colour: Natural light grey carbon stripe
- Material: 90% Nylon and 10% Carbon (Knitted with 13 Gauge)
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16	16.5	18	18.5
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD	RESULTS
Surface Resistivity	-	1x10 ⁷⁻⁹ Ω/cm



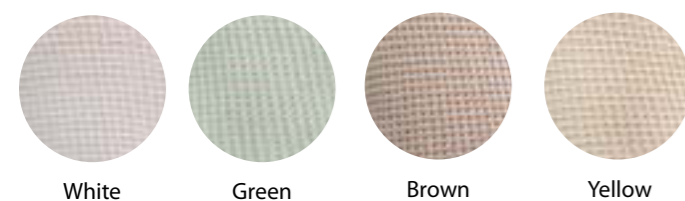
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0412	ESD Seamless Knit Glove – Carbon Stripe	Small	Per Pair
109-0413	ESD Seamless Knit Glove – Carbon Stripe	Medium	Per Pair
109-0414	ESD Seamless Knit Glove – Carbon Stripe	Large	Per Pair
109-0415	ESD Seamless Knit Glove – Carbon Stripe	Extra Large	Per Pair

ESD Seamless Knit Glove – Copper

FEATURES:

- Conductive copper glove ideal for electronics parts handling
- Colour: Natural bronze copper liner
- Material: 80% Nylon and 20% Copper (Knitted with 13 Gauge)
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



ESD Seamless Knit Glove – Copper

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16	16.5	18	18.5
Wrist Colour	-	White	Green	Brown	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD	RESULTS
Surface Resistivity	EN 1149-1	1x10 ³⁻⁵ Ω/cm



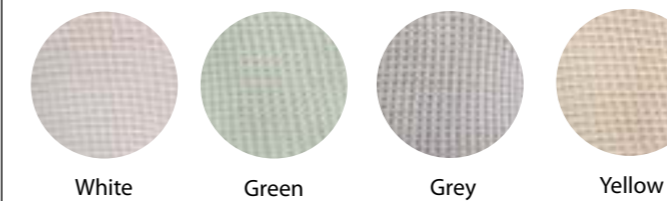
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-1009	ESD Seamless Knit Glove – Copper	Small	Per Pair
109-1010	ESD Seamless Knit Glove – Copper	Medium	Per Pair
109-1011	ESD Seamless Knit Glove – Copper	Large	Per Pair
109-1012	ESD Seamless Knit Glove – Copper	Extra Large	Per Pair

ESD Seamless Knit Glove – Nylon

FEATURES:

- Dissipative
- Elastic, Breathable and Dust Free
- Colour: White Liner
- Material: 100% Pure Nylon (280 Denier with 13 Gauge)
- Other sizes available upon request

CUFF COLOUR:



PALM DETAILS:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16.5	17	18.5	19
Wrist Colour	-	White	Green	Grey	Yellow



ESD Seamless Knit Glove – Nylon

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16.5	17	18.5	19
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ⁶⁻⁸ Ω/cm



PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0068	ESD Seamless Knit Glove – Nylon	Small	Per Pair
109-0069	ESD Seamless Knit Glove – Nylon	Medium	Per Pair
109-0073	ESD Seamless Knit Glove – Nylon	Large	Per Pair
109-0074	ESD Seamless Knit Glove – Nylon	Extra Large	Per Pair

ESD PU Tip Glove – Carbon

FEATURES:

- Dissipative carbon glove ideal for handling electronic parts
- Colour: Natural light grey carbon liner with white coated fingertips
- Material: 80% Nylon and 20% Carbon (knitted with 13 Gauge)
: PU (Polyurethane) Fingertip Coating
- Other sizes available upon request

CUFF COLOUR:

PALM DETAIL:

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	200	210	220	230
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16.5	17	18.5	19
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ⁶⁻⁸ Ω/cm



ESD PU Tip Glove – Carbon

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0909	ESD PU Tip Glove – Carbon	Small	Per Pair
109-0910	ESD PU Tip Glove – Carbon	Medium	Per Pair
109-0911	ESD PU Tip Glove – Carbon	Large	Per Pair
109-0912	ESD PU Tip Glove – Carbon	Extra Large	Per Pair

ESD PU Tip Glove – Carbon Stripe

FEATURES:

- Dissipative carbon glove ideal for handling electronic parts
- Colour: Natural light grey carbon stripe with white coated fingertips
- Material: 90% Nylon and 10% Carbon (knitted with 13 Gauge)
: PU (Polyurethane) Fingertip Coating
- Other sizes available upon request

CUFF COLOUR:

PALM DETAIL:

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16.5	17	18.5	19
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resitivity	-	1x10 ⁷⁻⁹ Ω/cm



PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0460	ESD PU Tip Glove – Carbon Stripe	Small	Per Pair
109-0461	ESD PU Tip Glove – Carbon Stripe	Medium	Per Pair
109-0462	ESD PU Tip Glove – Carbon Stripe	Large	Per Pair
109-0463	ESD PU Tip Glove – Carbon Stripe	Extra Large	Per Pair

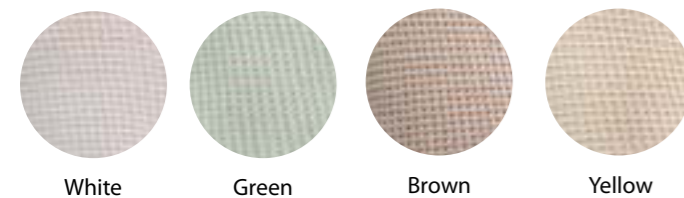


ESD PU Tip Glove – Copper

FEATURES:

- Conductive copper glove ideal for handling electronic parts
- Colour: Natural bronze copper liner with white coated fingertips
- Material: 80% Nylon and 20% Copper (knitted with 13 Gauge)
: PU (Polyurethane) Fingertip Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	16.5	17	18.5	19
Wrist Colour	-	White	Green	Brown	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ³⁻⁵ Ω/cm



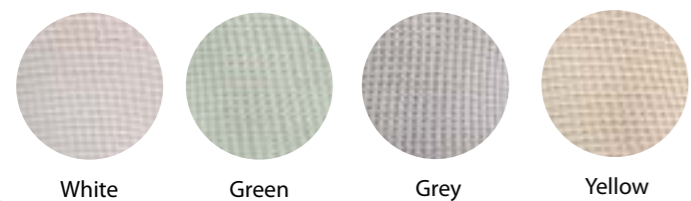
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109-0037	ESD PU Tip Glove – Copper	Small	Per Pair
109-0038	ESD PU Tip Glove – Copper	Medium	Per Pair
109-0039	ESD PU Tip Glove – Copper	Large	Per Pair
109-0051	ESD PU Tip Glove – Copper	Extra Large	Per Pair

ESD PU Tip Glove – Nylon

FEATURES:

- Dissipative
- Elastic, Breathable and Dust Free
- Colour: White Liner / White Fingertip Coating
- Material: 100% Pure Nylon (280 Denier with 13 Gauge)
: PU (Polyurethane) Fingertip Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



ESD PU Tip Glove – Nylon

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	210	220	230	240
Palm Width (mm)	+/- 3	85	85	87	87
Weight (g) per glove	+/- 1g	17	17.5	19	19.5
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ⁶⁻⁸ Ω/cm



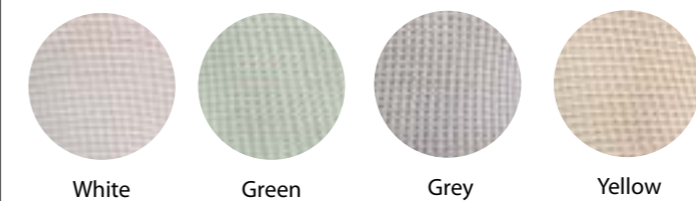
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0007	ESD PU Tip Glove – Nylon	Small	Per Pair
109-0008	ESD PU Tip Glove – Nylon	Medium	Per Pair
109-0013	ESD PU Tip Glove – Nylon	Large	Per Pair
109-0014	ESD PU Tip Glove – Nylon	Extra Large	Per Pair

ESD PU Palm Glove – Carbon

FEATURES:

- Dissipative carbon glove ideal for handling electronic parts
- Colour: Natural light grey carbon liner with white coated palm
- Material: 80% Nylon and 20% Carbon (knitted with 13 Gauge)
: PU (Polyurethane) Palm Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5mm	85	87	90	95
Weight (g) per glove	+/- 1g	19	21	23	25
Wrist Colour	-	White	Green	Grey	Yellow



ESD PU Palm Glove – Carbon

TEST RESULTS:

The sample was conditioned and tested at 23 ±1°C RH: 25 ±5%.
The surface resistivity of the test sample was determined according to the method specified in BS EN 1149-1:2006



SURFACE:	TEST STANDARD:	SURFACE RESISTANCE (MEAN):	SURFACE RESISITIVITY (MEAN):
Face	BN EN 1149-1:2006	2 x 10 ⁹ Ω/cm	3.9 x 10 ¹⁰ Ω/cm
Reverse	BN EN 1149-1:2006	2.4 x 10 ⁹ Ω/cm	4.8 x 10 ¹⁰ Ω/cm

NOTES:

For a material containing conductive threads in a stripe or grid pattern the spacing of the conductive threads in one direction shall not exceed 10mm. The maximum acceptable resistance specified in BS EN 1149-5:2008 is <2.5 x 10⁹Ω measured on at least one surface, the tested sample meets this requirement.

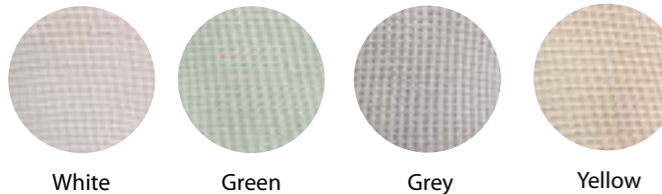
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0406	ESD PU Palm Glove – Carbon	Small	Per Pair
109-0407	ESD PU Palm Glove – Carbon	Medium	Per Pair
109-0408	ESD PU Palm Glove – Carbon	Large	Per Pair
109-0409	ESD PU Palm Glove – Carbon	Extra Large	Per Pair

ESD PU Palm Glove – Carbon Stripe

FEATURES:

- Dissipative carbon glove ideal for handling electronic parts
- Colour: Natural light grey carbon stripe with white coated palm
- Material: 90% Nylon and 10% Carbon (knitted with 13 Gauge)
: PU (Polyurethane) Palm Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5mm	85	87	90	95
Weight (g) per glove	+/- 1g	19	21	23	25
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

The sample was conditioned and tested at 23 ±1°C RH: 25 ±5%.
The surface resistivity of the test sample was determined according to the method specified in BS EN 1149-1:2006

SURFACE	TEST STANDARD:	SURFACE RESISTANCE (MEAN):	SURFACE RESISITIVITY (MEAN):
Face	BN EN 1149-1:2006	2 x 10 ⁹ Ω/cm	3.9 x 10 ¹⁰ Ω/cm
Reverse	BN EN 1149-1:2006	2.4 x 10 ⁹ Ω/cm	4.8 x 10 ¹⁰ Ω/cm



ESD PU Palm Glove – Carbon Stripe

NOTES:

For a material containing conductive threads in a stripe or grid pattern the spacing of the conductive threads in one direction shall not exceed 10mm. The maximum acceptable resistance specified in BS EN 1149-5:2008 is <2.5 x 10⁹Ω measured on at least one surface, the tested sample meets this requirement.

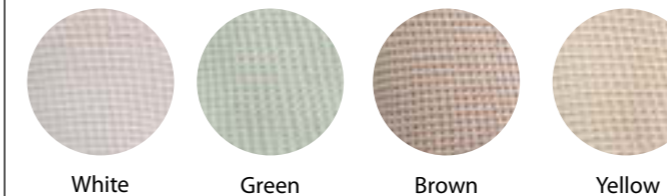
PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0424	ESD PU Palm Glove – Carbon Stripe	Small	Per Pair
109-0425	ESD PU Palm Glove – Carbon Stripe	Medium	Per Pair
109-0426	ESD PU Palm Glove – Carbon Stripe	Large	Per Pair
109-0427	ESD PU Palm Glove – Carbon Stripe	Extra Large	Per Pair

ESD PU Palm Glove – Copper

FEATURES:

- Conductive copper glove ideal for handling electronic parts
- Colour: Natural bronze copper liner with white coated palm
- Material: 80% Nylon and 20% Copper (knitted with 13 Gauge)
: PU (Polyurethane) Palm Coating
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5	85	87	90	95
Weight (g) per glove	+/- 1g	19	21	23	25
Wrist Colour	-	White	Green	Brown	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resistivity	-	1x10 ³⁻⁵ Ω/cm



PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0430	ESD PU Palm Glove – Copper	Small	Per Pair
109-0431	ESD PU Palm Glove – Copper	Medium	Per Pair
109-0432	ESD PU Palm Glove – Copper	Large	Per Pair
109-0433	ESD PU Palm Glove – Copper	Extra Large	Per Pair

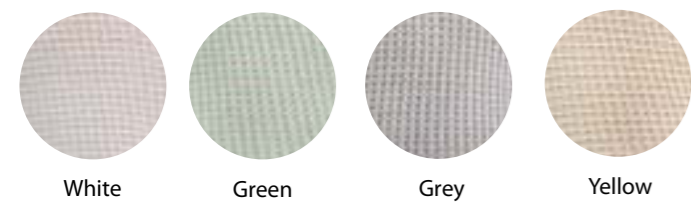


ESD PU Palm Glove – Nylon

FEATURES:

- Dissipative
- Elastic, Breathable and Dust Free
- Colour: White Liner / White Palm Coating
- Material: 100% Pure Nylon (280 Denier with 13 Gauge)
: PU (Polyurethane) Palm Coating
- Available in white, grey, black and blue
- Other sizes available upon request

CUFF COLOUR:



PALM DETAIL:



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	230	240	250
Palm Width (mm)	+/- 3 to 5	85	87	90	95
Weight (g) per glove	+/- 1g	19.5	21.5	23.5	25.5
Wrist Colour	-	White	Green	Grey	Yellow

TEST RESULTS:

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ⁻⁸ Ω/cm



PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0003	ESD PU Palm Glove – Nylon	Small	Per Pair
109-0004	ESD PU Palm Glove – Nylon	Medium	Per Pair
109-0005	ESD PU Palm Glove – Nylon	Large	Per Pair
109-0006	ESD PU Palm Glove – Nylon	Extra Large	Per Pair

ESD Striped Glove

ESD safe gloves are manufactured from an elastic, non-bright processed fabric containing a continuous filament knitted with a carbon core.

FEATURES:

- 100% Polyester with conductive carbon line every 10mm
- A low cost ESD glove offering good antistatic properties and dexterity

PROPERTIES:

- Lightweight, good sweat absorbency with some heat resistance



ESD Striped Glove

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	205	210	220	230
Palm Width (mm)	+/- 3	85	85	90	95
Weight (g) per glove	+/- 1g	6	7	7	8

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ¹⁰ Ω/cm

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0028	ESD Striped Glove	Small	Per Pair
109-0027	ESD Striped Glove	Medium	Per Pair
109-0040	ESD Striped Glove	Large	Per Pair
109-0064	ESD Striped Glove	Extra Large	Per Pair

ESD PU Palm Striped Glove

ESD safe gloves are manufactured from an elastic, non-bright processed fabric containing a continuous filament knitted with a carbon core.

FEATURES:

- Palm Material: Polyurethane
- Lining: 100% Polyester with conductive carbon line every 10mm

PROPERTIES:

- Lightweight, excellent grip, good sweat absorbency with some heat resistance



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	218	220	223	226
Palm Width (mm)	+/- 3	85	90	92	93
Weight (g) per glove	+/- 1g	8	9	9	9

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ¹⁰ Ω/cm

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0080	ESD PU Palm Striped Glove	Small	Per Pair
109-0016	ESD PU Palm Striped Glove	Medium	Per Pair
109-0081	ESD PU Palm Striped Glove	Large	Per Pair
109-0050	ESD PU Palm Striped Glove	Extra Large	Per Pair



ESD Dotted Palm & Finger Striped Glove

ESD safe gloves are manufactured from an elastic, non-bright processed fabric containing a continuous filament knitted with a carbon core.

FEATURES:

- PVC non-slip dotted palm
- Low cost
- Good elasticity
- Excellent sweat absorbency
- Delicate round tip finishing
- Palm: PVC embossed and 100% cotton lining
- Back: 100% polyester with conductive carbon line every 10mm



Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	213	215	217	219
Palm Width (mm)	+/- 3	87	90	91	93
Weight (g) per glove	+/- 1g	10	10	11	11

TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ¹⁰ Ω/cm

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
509-0001	ESD Dotted Palm & Finger Striped Glove	Small	Per Pair
509-0002	ESD Dotted Palm & Finger Striped Glove	Medium	Per Pair
509-0003	ESD Dotted Palm & Finger Striped Glove	Large	Per Pair
509-0004	ESD Dotted Palm & Finger Striped Glove	Extra Large	Per Pair

100% Cotton Glove

FEATURES:

- General purpose 100% cotton glove
- It is designed to be highly absorbent, comfortable and lightweight
- Ideal for reducing particle contamination in final packing areas



TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ¹⁰ Ω/cm

100% Cotton Glove

Details:	Tolerance:	Small	Medium	Large	Extra Large
Length (mm)	+/- 5mm	220	222	225	227
Palm Width (mm)	+/- 3	90	90	92	93
Weight (g) per glove	+/- 1g	9	9	9	10

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0059	100% Cotton Glove	Small	Per Pair
109-0060	100% Cotton Glove	Medium	Per Pair
109-0061	100% Cotton Glove	Large	Per Pair
109-0062	100% Cotton Glove	Extra Large	Per Pair

100% Cotton Dotted Palm Glove

FEATURES:

- Cotton dotted grip / anti slip glove
- Palm: PVC embossed and 100% cotton
- Back: 100% Cotton 32s
- 3 seam trimmed back
- Allows manual dexterity
- Provides durable and long wear
- Open cuff & wing thumb



TECHNICAL PROPERTIES:	TEST STANDARD:	RESULTS:
Surface Resisitivity	-	1x10 ¹⁰ Ω/cm

Details:	Tolerance:	Small	Medium	Large
Length (mm)	+/- 5mm	213	215	216
Palm Width (mm)	+/- 3	80	82	87
Weight (g) per glove	+/- 1g	12	12	12

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0052	100% Cotton Dotted Palm Glove	Small	Per Pair
109-0053	100% Cotton Dotted Palm Glove	Medium	Per Pair
109-0058	100% Cotton Dotted Palm Glove	Large	Per Pair



Latex Medical Examination Gloves

FEATURES:

- Material specification: Natural rubber latex
- Manufacturing process types: Online chlorination on donning surface and polymer coating on working surface
- Colour: Off white to yellow
- Texture and grip: Full palm-textured surface finished, good grip
- Former type: E5 full palm-textured former

Latex Caution Statement: Safe use of this glove by or on latex sensitized individuals has not been established. This product contains natural rubber latex which may cause allergic reactions.



TECHNICAL SPECIFICATION:

Freedom from holes BS EN 455-1 : 2000
 Water Tight Test: General Inspection Level 1, AQL 1.5
 Biological Evaluation BS EN 455-3 : 2000
 Protein Test: ≤ 50µg/g using the modified Lowry method
 Residual Powder ASTM D6124-01
 Powder Content: Samples should contain no more than 1.0mg of any filterable residue per glove

QUALITY STANDARDS (ISO BS EN) EXPECTATION:

Manufacturing QMS: BS EN ISO 9001 : 2000
 Glove: BS EN 455 Parts 1, 2 & 3
 Sampling: ISO 2859-1
 Medical Device Directive Requirement: 93/42/EEC Class 1
 Technical File Requirements & Availability: Available for inspection by the notified body
 Shelf Life: 3 years

PRODUCT CODE:	SIZE:	WIDTH (MM):	LENGTH (MM):	TENSILE STRENGTH:	DOUBLE WALL THICKNESS:
509-0015	Small	80 ± 10	220min	Before aging: min. 9N After aging: min. 6N	Finger: 0.15mm Palm: 0.13mm
509-0016	Medium	95 ± 10	230min		
509-0017	Large	110 ± 10	230min		
509-0018	Extra Large	≥ 110	230min		

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
509-0015	Latex Medical Examination Gloves	Small	Box of 100
509-0016	Latex Medical Examination Gloves	Medium	Box of 100
509-0017	Latex Medical Examination Gloves	Large	Box of 100
509-0018	Latex Medical Examination Gloves	Extra Large	Box of 100

Cleanroom Co-Polymer Glove – Disposable

FEATURES:

- PVC Polymer Glove, Rolled Cuff
- Soft and Strong Tension
- Smooth Interior for Easy Donning
- Low Particle Count and Low Extractable Ionic Level
- Overall Length: 9" or 12"
- Class 10 ~ 100

APPLICATION:

Ideal for Electronics Industry, Biotechnology Industry, Aerospace, Science Industry, Laboratory Examination, or General Purpose.



Cleanroom Co-Polymer Glove – Disposable

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0112	Cleanroom Co-Polymer Glove – Disposable	Small	Pack of 100
109-0109	Cleanroom Co-Polymer Glove – Disposable	Medium	Pack of 100
109-0110	Cleanroom Co-Polymer Glove – Disposable	Large	Pack of 100
109-0111	Cleanroom Co-Polymer Glove – Disposable	Extra Large	Pack of 100

Blue Nitrile Gloves

FEATURES:

- 100% nitrile disposable glove
- Powder free contains no natural rubber products, naturally antistatic
- A good all round disposable glove for the electronics industry

Blue Powder Free Nitrile Gloves are single-use, blue, non-sterile, naturally anti-static disposable glove for use as a physical barrier, particularly to body fluids in areas where the user or anyone they come into contact with may have a latex allergy. Nitrile has a greater resistance to certain chemicals and a higher tensile strength providing a more hard wearing glove. They contain NO natural rubber latex and are powder free. Their applications include use in ambulances, accident and emergency departments, electronics, general industry and any areas where users have a latex allergy.



CHEMICAL COMPOSITION: ACRYLONITRILE-BUTADIENE

- Ammonia solution
- Sulphur
- Zinc oxide
- Zinc diethyldithiocarbamate
- Tamol
- Ranox LC
- Phenolic antioxidant
- Titanium dioxide
- Coagulant WS
- Colanyl Blue Pigment

TECHNICAL SPECIFICATION:

Blue Powder Free Nitrile Gloves are manufactured in facilities certificated against ISO 9001, and tested in accordance with EN 455 Medical gloves for single use Parts 1, 2 and 3 2000 for absence of leaks, physical properties listed below, and extractable protein content.

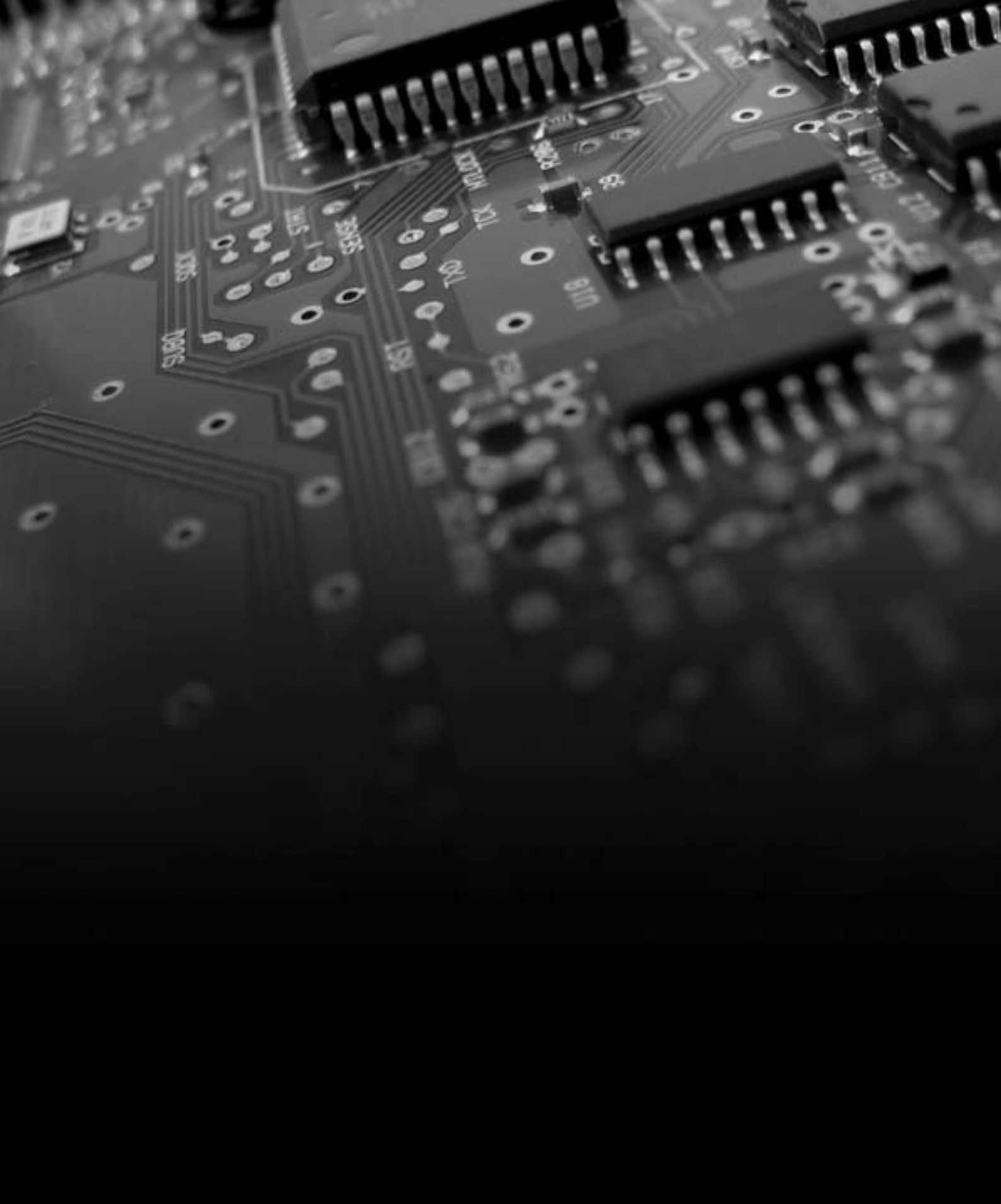
The "Country of Origin" is Malaysia.

The product is a CE marked Class 1 medical device. Gloves intended for medical use may also be referred to as "AQL 1.5". This means that they conform the minimum level of acceptable physical defects for examination gloves.

PRODUCT CODE:	SIZE:	WIDTH (MM):	LENGTH (MM):	TENSILE STRENGTH:	DOUBLE WALL THICKNESS:
109-0201	Small	85 ± 5	240min	Before aging: min. 9N After aging: min. 6N	Finger: 0.28mm Palm: 0.20mm
109-0202	Medium	95 ± 5	240min		
109-0203	Large	105 ± 5	240min		
109-0204	Extra Large	115 ± 5	240min		

Residual levels of chemical additives are undetectable in the case of all chemicals tested. Independent test results and details of chemical resistance are available on request.

PRODUCT CODE:	DESCRIPTION:	SIZE:	ADDITIONAL NOTES:
109-0201	Blue Nitrile Gloves	Small	Box of 100
109-0202	Blue Nitrile Gloves	Medium	Box of 100
109-0203	Blue Nitrile Gloves	Large	Box of 100
109-0204	Blue Nitrile Gloves	Extra Large	Box of 100



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