ELECTROSTATIC DISSIPATION PROTECTION



OUR GENERAL PURPOSE, CUT RESISTANT AND DISPOSABLE ESD RANGE





DISPOSABLE ESD



NITRILE DISPOSABLES (ESD)





CUT RESISTANT ESD



18 GAUGE PU BA2 (ESD)

WITH TOUCHSCREEN





GENERAL PURPOSE ESD



15 GAUGE PU (ESD)







15 GAUGE 2NFT® CA3 (ESD)

WITH TOUCHSCREEN





15 GAUGE **SLASH-TECTM ORRATM DA4** (GMF, ESD) WITH TOUCHSCREEN







15 GAUGE **NITRILON** FLEX(ESD)

WITH TOUCHSCREEN







21 GAUGE PU FA7 (ESD)

WITH TOUCHSCREEN







18 GAUGE **WAVES LITE** (ESD)

WITH TOUCHSCREEN







21 GAUGE PFT FA7 (ESD)

WITH TOUCHSCREEN





ELECTROSTATIC DISSIPATIVE (ESD) GLOVES

Precision Protection for Static-Sensitive Work Environments

In modern industrial environments where sensitive electronic components, high-speed data systems, or flammable materials are handled, static electricity can pose a serious hazard. A seemingly minor electrostatic discharge (ESD) can cause immediate or latent damage to circuit boards, ignite flammable substances, or compromise highly controlled manufacturing processes.

ESD gloves are specialized personal protective equipment (PPE) developed to dissipate static electricity safely. They are engineered to protect both the wearer and the product — enabling the controlled transfer of static charges and ensuring product integrity, safety, and regulatory compliance in critical applications.

WHAT ARE ESD GLOVES?

ESD gloves are constructed using base materials such as polyester/nylon or performance yarns impregnated with conductive material. These materials create a path of controlled conductivity that prevents the accumulation of static charges on the surface of the glove or the user's skin. This controlled dissipation ensures that electrostatic energy is neutralized gradually and safely, rather than discharged suddenly.

By preventing uncontrolled electrostatic events, these gloves protect sensitive electronic assemblies, flammable environments, and high-precision instrumentation from the potentially destructive effects of ESD.

TYPES OF ESD GLOVES

Depending on operational needs, ESD gloves come in a range of styles:

- Uncoated ESD Gloves: Offer basic static protection and maximum breathability.
- Finger-Coated or Palm-Coated Gloves: Provide enhanced grip and abrasion resistance for fine assembly work.
- **Full-Coated Gloves**: Designed for environments where liquid resistance or higher mechanical protection is required.
- **Cleanroom ESD Gloves**: Manufactured under controlled conditions to prevent particle generation, ideal for semiconductor and pharmaceutical applications.

COMPLIANCE & STANDARDS

Professionally manufactured ESD gloves comply with international safety and performance standards, including:

- **EN 16350**: Protective gloves for use in explosive atmospheres.
- EN ISO 21420: General requirements for glove design and ergonomics.
- EN 388: Mechanical risk protection for cut, abrasion, and puncture resistance (where applicable).
- EN 374: Protective gloves against dangerous chemicals and micro-organisms

BENEFITS OF USING ESD GLOVES

- Prevents costly product damage due to static discharge
- Protects workers and components in volatile or sensitive areas
- Ensures compliance with international ESD and safety standards
- Improves overall process reliability in critical manufacturing zones
- Enhances grip and dexterity without compromising protection

KEY CHARACTERISTICS

- **Static Dissipation**: Core functionality ensures a low surface resistivity, typically between 10⁵ and 10¹¹ ohms per square, facilitating a controlled discharge of electrostatic energy.
- **Fine Dexterity**: ESD gloves are designed to be lightweight and snug-fitting to allow precision handling, particularly in microelectronic assembly and laboratory work.
- **Comfort and Breathability**: Modern fabric technologies allow for all-day wear without compromising airflow or comfort, making them ideal for continuous use in cleanrooms or on production lines.
- **Non-Linting Fabrication**: Essential in cleanrooms or sensitive environments, these gloves are manufactured to be free of particulates and shedding, minimizing contamination risk.
- **Durable Construction**: Some variants offer enhanced mechanical resistance, providing protection against abrasion or minor cuts, depending on application requirements.
- **Touchscreen Compatible**: Allow interaction with digital devices without removing protective equipment.

APPLICATIONS ACROSS INDUSTRIES

ESD gloves are an essential component of PPE across various sectors:

- **Electronics & Semiconductor Manufacturing**: To safeguard microchips, PCBs, sensors, and integrated circuits.
- Automotive & Aerospace: For the assembly of vehicles and aircraft with onboard electronic control systems.
- **Pharmaceuticals & Biotechnology**: Used in conjunction with other contamination control measures in cleanrooms.
- **Medical Device Production**: Ensures protection of delicate diagnostic and monitoring equipment during production and testing.
- **Explosive or Volatile Environments**: ESD gloves can be used as part of a grounding system in explosion-hazard zones (ATEX) to reduce the risk of ignition due to static discharges in combustibles.

STORAGE CONDITIONS

Gloves should be stored in a cool, dry place away from direct sunlight and sources of heat, ideally between 10°C and 30°C, without exceeding 40°C. To maintain their electrostatic properties, gloves must remain in their original packaging until use and be kept away from ozone-generating equipment. Low-humidity environments should also be avoided, as they can lead to static buildup.

DISCLAIMER

These gloves are designed to provide reliable ESD protection; however, the conductive yarn may naturally oxidize over time, potentially affecting performance based on storage conditions. With proper storage, the typical shelf life for PU coated gloves is up to 3 years and for Nitrile coated gloves is up to 5 years. For critical ESD applications, glove performance should be evaluated prior to use if the gloves have been stored for an extended period.

CONCLUSION

As industries advance toward higher levels of miniaturization, automation, and quality control, the role of ESD protection becomes increasingly vital. ESD gloves are not just optional — they are a foundational safeguard in any environment where static control is a priority.

Through thoughtful engineering, advanced materials, and compliance with global safety standards, ESD gloves provide the trusted barrier that enables safe handling of the world's most sensitive technologies. Whether in a cleanroom, on an assembly line, or in a lab, these gloves ensure that your team and your products stay safe, precise, and protected.



NITRILE DISPOSABLES

Eliminates static charge buildup to help prevent sparks and flareups in flammable environments. Chemical protection.

FEATURES

In compliance with the regulation EN 16350:2014 Lightweight, high dexterity, ambidextrous Textured finish enables secure grip on objects Special conductive NBR coating provides ESD and chemical protection Rolled cuff and extended length provide added protection from the chemical spills

APPLICATIONS

Circuit Making, Electrostatic Spray Painting - Aircraft and Automotive Industries, Tattoo Parlors, CD Handling, Laboratory, General Purpose Electronics Manufacturing, Semiconductor Facilities, Applications involving Static Charge Accumulation, Medical Equipment









The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks. Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove.



	CHEMICAL	LEVEL
J	n-Heptane	6
K	40% Sodium Hydroxide	6
Р	30% Hydrogen Peroxide	4
T	37% Formaldehyde	6

	Glove	ESD (Electrostatic Dissipative) Nitrile Disposables			Style Code	SNACFT-300BK-6-ESD
)	0.200	XS-XXXL		Powder Free	00.01	Black
50, 508	Thickness		Cuff	Rolled Cuff	AQL	
5		245 mm, 300 mm	Surface Finish		Packaging	100/dispenser, 1000/carton



June 25, 2025





15 GAUGE PU (ESD)

PROTECT SENSITIVE ELECTRONICS

Our anti-static gloves are made with dissipative yarns to help prevent static electrical discharges, which can irreparably damage sensitive electronics and act as an incendiary in highly flammable environments.

FEATURES

Prevent products from miscellaneous disturbances caused by static electricity Touchscreen function Good all around grip

APPLICATIONS

Assembling, inspection and packing small parts General material handling

Semiconductor industry, Precision assembly Photography and printing Telecommunications, Aerospace











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	15 GAUGE PU (ESD)
	12-700-WT-SZ (LTS) (ESD)
Sizes	XS-XXXL
Liner	15gg machine knitted with Nylon and Carbon shell

Coating Polyurethane (SBPU)

Colours Carbon-White (Grey-white) liner, White coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.





June 25, 2025



The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove

AN ELECTROSTATIC DISSIPATIVE GLOVE WITH TOUCHSCREEN FUNCTIONALITY.

WITH TOUCHSCREEN

An electrostatic dissipative glove made with our Nitrilon Flex foam Nitrile coating on an Ingenia composite liner. Flexible, comfortable and breathable, these gloves are perfect for handling electronics, touchscreen devices and white goods where there's a risk of a static discharge.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014 Elasticated wrist provides a secure fit without latex Provides a powerful grip and superb flexibility, softness and durability

APPLICATIONS

Aerospace and Automotive Environments, Circuit Making, General Purpose Electronics Manufacturing, Semiconductor Facilities, Applications involving Static Charge Accumulation, Medical Equipment















Glove	15 GAUGE NITRILON FLEX(ESD) WITH TOUCHSCREEN

Style Code AC5P-3401BK-082-9NF-BK-L (TS) (ESD) (LF)

Sizes XS-XXXL

Liner 15gg machine knitted with Ingenia/ Nylon/Carbon and Spandex shell

Coating Nitrilon Flex (Foam Nitrile)

Colours Black liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.





The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks. Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove.

18 GAUGE WAVES LITE (ESD) WITH TOUCHSCREEN

AN ELECTROSTATIC DISSIPATIVE GLOVE WITH A FLEXIBLE, GRIP-INTENSIVE COATING

An electrostatic dissipative glove made with our Waves Lite Nitrile coating on an Nylon-Carbon liner. Flexible, comfortable and breathable, these gloves are perfect for handling electronics and white goods where there's a risk of a static discharge.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014

Elasticated wrist provides a secure fit without latex

Waves Lite coating provides a powerful grip and superb flexibility, softness and durability

APPLICATIONS

Automotive Assembly, Warehousing, Logistics & All General Purpose















Glove	18 GAUGE WAVES LITE (ESD) WITH TOUCHSCREEN	
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	DDG 14# GG 14#4 IDD GDL(GIZE (TO) (EGD.)	

Style Code PDS-WLG8-MKNRDCBK-SIZE(TS) (ESD)

Sizes XS-XXXL

Liner 18gg machine knitted with Nylon and Carbon shell

Coating Waves Lite (Nitrile) coating

Colours Royal Blue liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.









18 GAUGE PU BA2 (ESD) WITH TOUCHSCREEN

A GREAT CHOICE IN LIGHT-RISK TECH-HEAVY WORK ENVIRONMENTS.

These gloves are designed for tech-intensive workplaces - including assembly, repair or working with sensitive electronics, not to mention the ubiquitous touchscreen devices found today. With their ergonomic design and seamless construction, these gloves offer comfort, dexterity, breathability and durability.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014 (ATEX compliant)

Touchscreen functionality

Very good abrasion resistance and durability

Provides a good all-around grip and superb flexibility, softness and comfort

APPLICATIONS

Telecommunication, Aerospace, Automotive, white goods, Oil & Gas, Petrochemical, Petroleum and Fuels, ATEX environment (environment with explosive atmosphere), Electronics Assembly, Manufacturing of precision equipments, Sensitive Films, Photonics, Fiber optics, solar panels and components, Mining















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Glove 18 GAUGE PU BA2 (ESD) WITH TOUCHSCREEN

Style Code ACM8P-4501GY-PU-BK-L (LF)(LTS) (ESD)

Sizes XXS,XS,S,M,L,XL,2XL,3XL

Liner 18gg machine knitted with Steel/Nylon/Polyester/Carbon and Spandex shell

Coating Polyurethane (SBPU)

Colours Grey liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.







The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks.

Performance of touchscreen functionality may vary due to temperature

and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient

conditions, type of coating and fitting of the glove



15 GAUGE 2NFT® CA3 (ESD) WITH TOUCHSCREEN

A GREAT CHOICE IN LIGHT-RISK TECH-HEAVY WORK ENVIRONMENTS.

These gloves are designed for tech-intensive workplaces - including assembly, repair or working with sensitive electronics, not to mention the ubiquitous touchscreen devices found today. With their ergonomic design and seamless construction, these gloves offer comfort, dexterity, breathability and durability.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014 (ATEX compliant) Thumb crotch reinforcement for extended durability Provides a powerful all-around grip and superb flexibility, softness and durability

APPLICATIONS

Telecommunication, Aerospace, Automotive, white goods, Oil & Gas, Petrochemical, Petroleum and Fuels, ATEX environment (environment with explosive atmosphere), Electronics Assembly, Manufacturing of precision equipments, Sensitive Films, Photonics, Fiber optics, solar panels and components, Mining















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The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove

Glove 15 GAUGE 2NFT® CA3 (ESD) WITH TOUCHSCREEN

Style Code ACRG5P-550/410CNB-2NFT-BK(RO) (TS) (ESD)(TCD-9N-BK)

Sizes XXS,XS,S,M,L,XL,2XL,3XL

Liner 15gg machine knitted with Glass/HPPE/Nylon/Carbon and Spandex shell

Coating 2NFT® (Nitrile) coating with Nitrile Thumb Crotch reinforcement

Colours Navy Blue liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.









15 GAUGE SLASH-TECTM
ORRATM DA4 (GMF, ESD)
WITH TOUCHSCREEN

A NO GLASS, NO METAL CUT RESISTANT GLOVE DESIGNED FOR USE IN MEDIUM CUT RISK AREAS.

Made with HMPE, carbon, nylon and spandex blend. No glass, no metal. Very comfortable cut gloves, Reinforced thumb crotch extended wearer life, Touchscreen compatible with ESD function.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014

Proprietary ORRA™ coating provides high abrasion resistance with minimized particle shedding

Provides a superior all-around grip without sacrificing flexibility, softness and comfort

Thumb crotch reinforcement enhances durability

APPLICATIONS

Automotive manufacturing, intricate assembly, sheet metal operations, injection molding operations, glass and ceramics handling, inspection, storage, maintenance work, recycling industry, electronics















The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks. Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove.

GIOVE 15 GAUGE SLASH-TEC™ ORRA™ DA4 (GMF, ESD)
WITH TOUCHSCREEN

Style Code BC5P-3HMPCRB-OCFT-BK-SZ (TS) (ESD-TCD)

Sizes XS,S,M,L,XL,XXL

Liner 15gg machine knitted with HMPE/Carbon/Nylon and Spandex shell

Coating ORRA Comfort (Nitrile) foam technology with Nitrile Thumb Crotch

Colours Royal Blue liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.











MADE WITH TUNGSTEN TO PROVIDE ENHANCED CUT RESISTANCE, IMPROVED COMFORT AND DEXTERITY WITH THE FINEST GAUGE POSSIBLE.

The only thing we've cut is the weight!

Designed for workers in technological applications as well as automotive, glass and sheet metal industries, this 21 gauge glove provides as much protection and comfort with as little weight as possible.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014

A 13gg glove of this design would be 32g.
This 21gg glove is 17.2g - 46% lighter
Thumb crotch reinforcement enhances durability
Provides a good all-around grip and superb flexibility, softness and comfort

APPLICATIONS

Metal fabrication and assembly, Glass and window manufacturing, Aerospace assembly, Automotive assembly and manufacture, Domestic appliance manufacture (white goods)





Glove 21 GAUGE PU FA7 (ESD) WITH TOUCHSCREEN

Style Code ACM2-3401CSP-PU-DGY-Size (TS) (TCD-9N-BK)







Sizes XS,S,M,L,XL,XXL

Liner 21gg machine knitted with HPPE/Nylon/Tungsten wire and Spandex shell

Coating Polyurethane (SBPU) with Nitrile Thumb Crotch reinforcement

Colours Salt & Pepper liner, Dark Grey coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.







The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks.

Performance of touchscreen functionality may vary due to temperature

and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient

conditions, type of coating and fitting of the glove







21 GAUGE PFT FA7 (ESD) WITH TOUCHSCREEN

MADE WITH TUNGSTEN TO PROVIDE ENHANCED CUT RESISTANCE, IMPROVED COMFORT AND DEXTERITY WITH THE FINEST GAUGE POSSIBLE.

The only thing we've cut is the weight!

Designed for workers in technological applications as well as automotive, glass and sheet metal industries, this 21 gauge glove provides as much protection and comfort with as little weight as possible.

FEATURES

Electrostatic discharge protection In compliance with the regulation EN 16350:2014

A 13gg glove of this design would be 40g. This 21gg glove is 22.7g - 45% lighter

sacrificing flexibility, softness and comfort

Thumb crotch reinforcement enhances durability Provides a superior all-around grip without

APPLICATIONS

Metal fabrication and assembly, Glass and window manufacturing, Aerospace assembly, Automotive assembly and manufacture, Domestic appliance manufacture (white goods), Mining and construction













Glove 21 GAUGE PFT FA7 (ESD) WITH TOUCHSCREEN

Style Code ACM2-3401CSP-PFT-BK-Size (TS) (TCD-9N-BK)

Sizes XS,S,M,L,XL,XXL

Liner 21gg machine knitted with HPPE/Nylon/ Tungsten wire and Spandex shell

Coating Premium Foam Technology (Nitrile) with Nitrile Thumb Crotch

Colours Salt & Pepper liner, Black coating



The coating on these gloves is treated with Sanitized® antimicrobial material protection and odor-reducing technology. Sanitized® will not protect the wearer of this garment against disease-causing bacteria.





The touchscreen feature of the device, if present, must be turned on and adjusted. Since the gloves have conductive properties, do not use in areas that have a potential risk of static discharge and electric shocks. Performance of touchscreen functionality may vary due to temperature and humidity. Touchscreen compatibility depends upon the type of device, sensitivity of device, the way the device is operated, ambient conditions, type of coating and fitting of the glove.





WHY PARTNER WITH US?

MAKING SAFETY SUSTAINABLE

Sustainability

- At Midas Safety, we are committed to minimizing the impact of our business operations on the planet, from
 the energy we consume to the resources and materials we use. Find out more about our targets focused
 around seven pillars of sustainability: People, Climate, Water, Energy, Waste, Product and Packaging on our
 website https://www.midassafety.com/about-us/sustainability/
- Backed by data and independent audits, you can be assured that Midas Safety's social, environmental and economic policies and strategies will provide you with products and a service that complies with the latest in environmental legislation, ethical labour management and consistency in quality and sourcing for your portfolio.
- With state-of-the-art manufacturing in Pakistan, Sri Lanka and Bangladesh, Midas Safety is working hard to
 incorporate industry leading measures to reduce our impact on the environment through carbon emissions
 reduction initiatives, managing water usage throughout our process and reducing our waste. All this
 together will help ensure that you can promise the same to your customers.

STRIVING FOR THE FUTURE OF WORKER SAFETY

Innovation

- With our own innovation centre for yarn, textile and fabric development and another centre of development and testing of new materials, polymers and chemicals, we can bring our expertise in coatings, yarns, knitting and former technologies to your own unique hand protection and safety workwear products.
- Our continuous improvements in new product development and eco-friendly range of technologies and innovations means we can offer you the most innovative and up-to-date hand protection and safety wear technology.

ALWAYS THE SAME. ALWAYS EXCEEDING.

Quality

- We pride ourselves on producing products which meet the highest of standards. At Midas Safety, our use of data-driven decision-making and a vertically integrated production process provides continuous improvement in our business and manufacturing processes, from materials sourcing and selection, through to high performance in testing and global certifications.
- Compliance with CE and ANSI standards, as well as REACH, Prop 65, restricted substance monitoring by Intertek (Germany) and Oeko-Tex®.
- Our materials and textiles exceed performance benchmarks for water-repellency, comfort, breathability, chemical protection and thermal insulation.
- Quality Standards
 - ISO 9001:2015, ISO 14001:2015, EU Regulation 2016/425 Module D, GRS, OCS, BCI, WRAP, ISO 45001:2018, Oeko-Tex®, Sedex 4-Pillar, 5S and WWF-Green Office.

SUCCESSFUL PEOPLE. ENGAGED WORKERS.

People

- With a professional experienced sales force in most major markets (Europe, North and South America as well as the Middle East, Japan, Australia and New Zealand), we can provide you with the benefit of global experience locally.
- We believe that our people are our most important asset. We work tirelessly at the health, safety and wellbeing of our employees, their families and the communities in which they live.
- We also work tirelessly to ensure the ethical treatment and the cultural, race and gender diversity of those
 we employ, offering them the opportunity to improve themselves and the quality of our products and
 processes by extensive training and development.



