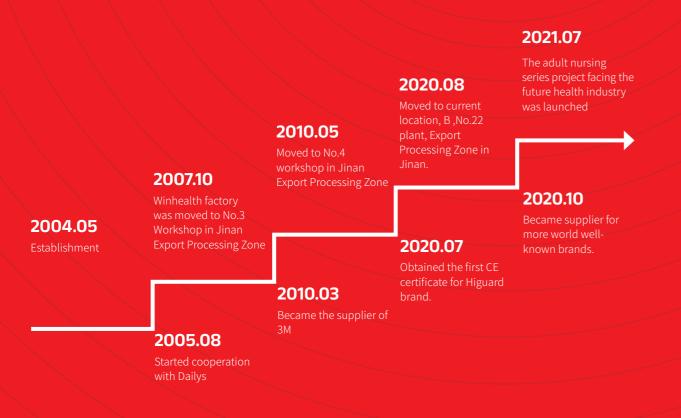
HIGUARD

CHEMICAL PROTECTIVE CLOTHING





ABOUT US

Established in 2004, have been producing protective clothing for nearly 20 years.

Located at B, No.22 Plant,Export Processing Zone,High-tech District,Jinan,China, Jinan Winhealth Co.,Ltd has a core R & D and production base of 12,000 square meters, more than 300 employees, adopts production and inspection equipmentthat meet international standards, including automatic cutting machines, automatic hoisting production lines, automatic mask production lines and various testing instruments, produces series of protective clothing, face masks and under pad products.

As a supplier for several world famous brands, our products are exported to Europe, USA, Japan, Korea and other countries/areas, and the quality maintains good stability.

HICUARD



The Higuard series products independently developed, can be widely used in many fields such as construction, installation, automobile, electronics, pharmaceutical production, laboratory, petrochemical production and biochemical protection, meet the requirements of European standards Type 3, Type 4, Type 5, Type 6, have excellent performance in chemical penetration, anti-infection medium, wear resistance and nuclear radiation particle protection.

We have been focusing on product research and development, innovative technology and process design for many years, constantly improving product safety and comfort, and always committed to the establishment and application of high-quality systems to provide customers with long-term good services.

ABOUT US

- With advanced production and inspection equipment, including automatic spreading and cutting machines, automatic hoisting production lines, automatic mask & under pad production lines and various testing instruments.
- The company has a number of professional production, technical and quality personnel, and has obtained various certifications of ISO 9001&14001&45001, EU CE and the United States, providing a guarantee for market expansion.

Having professional personnels for R&D, obtained certification of ISO 9001,ISO14001,ISO45001 and CE, and this is the basis for market development.





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CATALOG





HICUARD

30	/	Protective Clothing HG6932
32	/	Protective Clothing HG6932T
34	/	Protective Clothing HG6935
36	/	Protective Clothing HG6940
38	/	Protective Clothing HG6940L
40	/	Protective Clothing HG6950
42	/	Accessories

PROTECTIVE CLOTHING **CLASSIFICATION**

Classification Standards for Protective Clothing

To help you to choose the right protective clothing and meet the requirements of standards for protective products in different regions, we list the classification standards of China standards and European standards to ensure the safety and convenience for users.

• Classified to 7 levels according to China starndard:

• Classified to 6 types according to Europe Standard

Chemical protective clothing must meet the requirements of the European standard for the highest hazard protection in personal protective equipment (PPE), that is, the "III" category, and defines 6 different types of protective clothing, which pass the fabric performance test and the comprehensive application of ready-made clothing After testing.

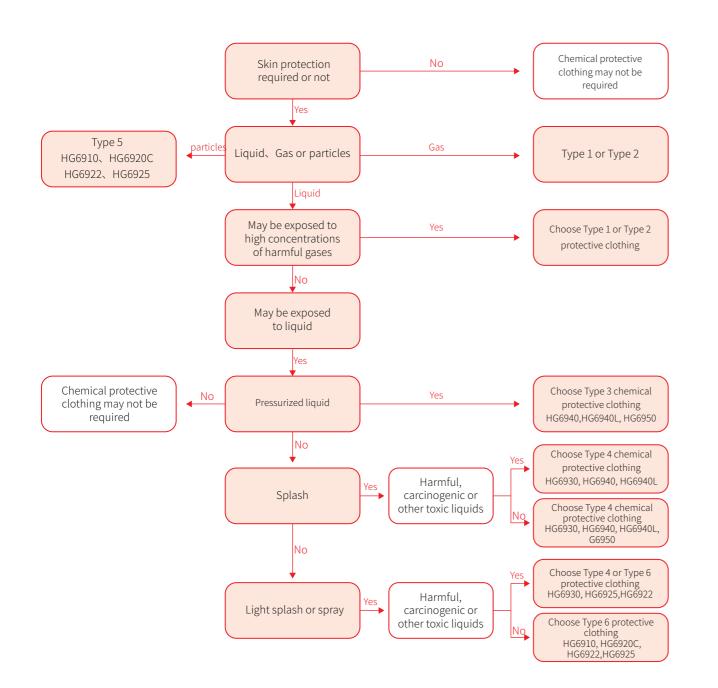
Standard	Description	HIOUARD Corresponding product	Туре	Type Icon	Description	HI Corresponding product
Level 1	Gas chemical protective clothing		Type 1 EN943-1&2		Gas chemical protective clothing Protection against liquid and gaseous chemicals, suspended and solid particles	
Level 1-ET	Gas chemical protective clothing-ET		Type 2 EN943-1	Q	Non-gas chemical protective clothing The protective clothing maintains a positive pressure inside and prevents the entry of dust, liquid and vapor	
Level 3	Spray liquid chemical protective clothing	HG6940、HG6940L、HG6950	Type 3 EN14605		Spray liquid chemical protective clothing Protection against splash of liquid chemicals	HG6940、HG6940L、HG6950
Level 3-ET	Spray liquid chemical protective clothing-ET		Type 4 EN14605		Splash liquid chemical protective clothing Protection against splash of liquid chemicals	HG6930、HG6940、HG6940L、 HG6950
			Type 5 EN13982		Solid particle protective clothing Protection against solid particles.	HG6910、HG6920C、HG6922、 HG6925
Level 4	Splash liquid chemical protective clothing	HG6930、HG6940、HG6940L HG6950	Туре 6 Е N13034		Light splash protective clothing Limited protection against minor splashes of liquid	HG6910、HG6920C、HG6922、 HG6925
Level 5	Solid particle chemical protective clothing	HG6901、HG6905、HG6910 HG6920C、HG6922、HG6925	EN1149-5		chemicals Anti-static	HG6910、HG6920C、HG6922、 HG6925、HG6930、HG6940、
		HG6905、HG6910、HG6920C		4		HG6940L、HG6950
Level 6	Limited splash chemical protective clothing	HG6922、HG6925	EN1073-2		Radioactive particle protection	HG6920C、HG6922、HG6925、 HG6930、HG6940、HG6940L、 HG6950
Level 7	Woven fabric acid and alkali chemical protective clothing		EN14126		Protection against infectious agents	HG6920C、HG6922、HG6925、 HG6930、HG6940、HG6940L、 HG6950



SELECTING PROTECTIVE **CLOTHING**

How to choose the right chemical protective clothing

Users in various environments may be exposed to dust particles, harmful liquids or even dangerous chemicals, it is especially important to wear protective clothing; different types of protective clothing should be used in different working environments. Below chart can provide a reference for how to choose the right protective clothing.





Product Series

HIGUARD Fabric used for the products

HG6910	The SMMS compound process using ultra- 99.9% of particles with a diameter of less th
HG6920C	The back above the waist is made of blue membrane compound fabric, the back is t emitted. This structure allows the surroun wearer's comfort.
HG6922	Adopted advanced microporous membrane
HG6925	Unique combination of non-woven fabric abrasion resistance is much better.
HG6930	The compound material of microporous me
HG6935	The high-performance durable antistatic b China standard of GB19082-2009.
HG6940	Thecombination of high-performance po protection.
HG6940L	Adopted a professionally proportioned po non-woven fabrics. It is the lightest and mos
HG6950	The composite fabric of high-performanc composite non-woven fabric has more exce

HICUARD Seam Image



Ultrasonic welded seams High performance liquid and particulate protection.

Heated taping sewn seams Internal sewing, external heat-sealed tape, increase seam strength, more effective protection against liquidand particles.

Bound seams strength, provides better protection against liquids and particles.



fine fiber technology has good breathability, and can filter more than han 3 microns.

e highly breathable SMMS fabric, and the main fabric is microporous the main place where the hot and humid steam of the human body is nding airflow to better penetrate the protective clothing, improves the

e compound technology, lighter and more breathable.

and microporous membrane, maintaining superior air permeability and

embrane and polypropylene is used for better protection.

breathable film is compounded with non-woven fabric, which meets the

olyethylene film and polypropylene polymer provides a higher level of

olyethylene coating, which is perfectly combined with high-performance ost comfortable fabric known among the products of same type.

ce barrier film composited with multi-layer materials and wood pulp ellent protective performance.

Using non-woven fabric bound material, compared with ordinary sewing seams, increases the seam

Protective clothing product introduction

Breathable protective clothing, wider application areas

PRODUCT FEATURES

6

- No silicone oil, no formaldehyde and other toxic and harmful substances.
- Meet the Q10100JSQ001-2023 standard of wear resistance, seam strength, flex resistance, puncture resistance and other properties.
- The product color is white, which improves the high visibility requirements in specific occasions.
- Comfortable and safe style design improves wearing comfort.



PRODUCT APPLICATIONS

~ 10



Product Parameters HG6900

TEST RESULTS	LEVEL	EVALUTION
11 times	Level 1	Pass
90N	Level 3	Pass
510 times	Level 1	Pass
7N	Level 1	Pass
Warp: -0.8%/ Weft: -0.3%	/	Pass
Warp: 11.4%/ Weft: 3.9%	/	Pass
Warp: 58N/ Weft: 41N	Level 3/Level 3	Pass
Warp: 95N/Weft: 72N	Level 2/Level 2	Pass
	11 times 90N 510 times 7N Warp: -0.8%/ Weft: -0.3% Warp: 11.4%/ Weft: 3.9% Warp: 58N/ Weft: 41N	11 timesLevel 190NLevel 3510 timesLevel 17NLevel 1Warp: -0.8%/ Weft: -0.3%/Warp: 11.4%/ Weft: 3.9%/Warp: 58N/ Weft: 41NLevel 3/Level 3





Protective clothing product introduction

Highly breathable economical protective clothing, mor extensive application fields, meeting the requirements China standard GB24539-2021 standard type 5 protect clothing

PRODUCT FEATURES

The product adopts the SMS composite process of microfiber technology, which is specially designed for particle protection and has sound. At the same time, the application field is more extensive.

- It can effectively protect the particles in the aerosol. It can filter more than 99.9% of the particles with a diameter of fewer than 3 microns.
- No silicone oil, no formaldehyde, and other toxic and harmful substances. Meet the requirements of GB24539-2021 Standard Type 5 for wear resistance, seam strength, flex resistance, puncture resistance, and other properties.
- Performance test of the inward leakage rate of solid particles that meets the requirements of GB24539-2021 Standard Type 5
- The product' s color is white and blue, and the inner edge is white, which improves the high visibility requirements on specific occasions.
- The seams are hemmed to increase the firmness and shielding performance of the product.
- Comfortable and safe style design improves wearing comfort. **Product Applications**

PRODUCT APPLICATIONS





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Industrial production and assembly

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operations

Asbestos Working Environment

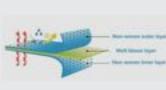


Repair and Maintenance

Pharmaceutical Production And Operation

Electronic Assembly

D 660 Details HG6901



Fabric Structu
The fabric is light
middle which ha



GB24539-2021 5型 化学品防护

Product Parameters HG6901

TEST ITEMS	TEST RESULTS	LEVEL	EVALUTION
Wear resistance	11 times	Level 1	Pass
Seam strength	150N	Level 1	Pass
Flex damage resistance	510times	Level 1	Pass
puncture resistance	7N	Level 1	Pass
High temperature performance	Warp: 1.2%/Weft: 0.3%	/	Pass
Low temperature resistance	Warp: 4.8%/Weft: 3.1%	/	Pass
Tear strength	Warp: 100N/Weft: 46N	Level5/Level3	Pass
Breaking strength	Warp: 140N/Weft: 58N	Level3/Level1	Pass
Inward leakage rate of solid particles	≤ 12.9%	/	





ıre

and thin, adopts SMS structure, with a melt-blown layer in the as good protection performance against general dust particles



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against particulate matter.

Protective clothing product introduction

HG690

Economical protective clothing with breathable membrar more extensive application fields, meeting the requirements of Type 5 and Type 6 protective clothing of China standard GB24539-2021

PRODUCT FEATURES

The product adopts advanced microporous membrane technology and composite technology, which is lighter and more breathable. Wider range of applications.

- It can effectively protect the particles in the aerosol, and can filter more than 99.9% of the particles with a diameter of less than 3 microns.
- No silicone oil, no formaldehyde and other toxic and harmful substances.
- Meet the requirements of GB24539-2021 Standard Type 5 and Type 6 for wear resistance, seam strength, flex resistance, and puncture resistance Wear performance.
- Performance test of the inward leakage rate of solid particles that meets the requirements of GB24539-2021 Standard Type 5.
- Meet GB24539-2021 Standard Type 6 requirements for limited liquid-tight splash and liquid-repellent performance tests.
- The product' s color is white, and the inner edge is sewn, which increases the firmness and protective performance of the product.
- Comfortable and safe style design improves wearing comfort.

PRODUCT APPLICATIONS



General

Cleaning



Industrial

production

and assembly

operations





Repair and Maintenance

Pharmaceutical Production And Operation

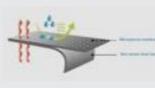
Electrical assembling

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Electronic

Assembly

Details HG6905



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	quality fal



GB24539-2021 5 &6

Product Parameters HG6905

TEST ITEMS	TEST RESULTS	LEVEL	EVALUTION
Wear resistance	11Times	Class One	Qualified
Seam strength	100N	Class Three	Qualified
Flex damage resistance	510Times	Class One	Qualified
puncture resistance	7N	Class One	Qualified
High temperature performance	Warp: 2.6%/Weft:6.5%	/	Qualified
Low temperature resistance	Warp: 4.5%/Weft:-1.6%	/	Qualified
Tear strength	Warp: 55N/Weft:32N	Level 3/Level 2	Qualified
Breaking strength	Warp: 93N/Weft:50N	Level 2/Level 1	Qualified
Inward leakage rate of solid particles	≤ 12.9%	/	Qualified

TEST	ITEMS

TEST ITEMS	TEST RESULTS	LEVEL	EVALUTION
imited liquid-tight splash	Total stained area<3× standard stained area	/	Qualified
iquid repellency	Liquid repellency index: 94.3% / Penetration index: 0.7%	/	Qualified
Wear resistance	11Times	Class One	Qualified
-lex damage resistance	510Times	Class One	Qualified
Puncture resistance	7N	Class One	Qualified
High temperature performance	Warp: 13.5%/Weft:10.9%	/	Qualified
ow temperature resistance	Warp: 3.1%/Weft:1.1%	/	Qualified
Tear strength	Warp: 60N/Weft:29N	Class Three/Class Two	Qualified
Breaking strength	Warp: 98N/Weft:55N	Class Two/Class One	Qualified
Seam strength	100N	Class Three	Qualified

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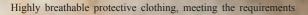
osite of high-quality microporous film and the non-woven fabric air permeability and can Block liquids and tiny particles. Highbrics ensure the safety of the wearer while giving. Provides a comfortable wearing experience.



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against liquids and particles.

Protective clothing product introduction



of European Standard Type5 and Type6 standards

PRODUCT FEATURES

The fabric adopts the SMMS composite process of microfiber technology, which has good air permeability, more comfortable to wear.

- It can effectively protect the particles in the aerosol, and can filter more than 99.9% of the particles with a diameter of less than 3 microns;
- No silicone oil, no formaldehyde and other toxic and harmful substances;
- Meet EN1149-5 antistatic requirements;
- The product colors are white and blue, improving the high visibility requirements in specific occasions;
- The seams are hemmed to increase the firmness and protective performance of the product;
- Comfortable and safe style design, three-piece hood and crotch gusset to improve wearing comfort.

PRODUCT APPLICATIONS



General

Cleaning



Industrial

production

and assembly

operations





Repair and Maintenance Pharmaceutical Electronic Production And Assembly Operation

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669

TYPE 5 EN ISO 13982-1:200 +A1:2010 EN 13034:200 +A1:2009



Product Parameters HG6910

Details HG6910

22 4

Protective

Class

PHYSICAL PROPERTIES	STANDARD	HG6910
Wear-Resistant	EN ISO 12974-2/EN530	2
Bending Stiffness	ISO 7854:1995	6
To Tear	EN ISO 9073-4:1997	2
To Stretch	EN ISO 13934-1:1999	1
Burst	EN 863:1995	1

CLOTHING PERFORMANCE	STANDARD	HG6910
Inward leakage of the whole garment	EN ISO 13982:2004	Pass
Garment Spray Test	EN ISO 17491-4:2008	Pass
seam strength	EN ISO 13935-2:1999	3









Fabric Structure

The fabric is light and thin, with SMMS organization and a meltblown layer in the middle, which provides better protection against general liquids, spattered liquids and dust particles. The special anti-static treatment can be used in applications requiring static protection. The special antistatic treatment can be used in applications requiring static protection.



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against liquids and particles.

CHEMICAL PROPERTIES	STANDARD	HG6910
Sulfuric acid barrier	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium Hydroxide Penetration Resistance	EN ISO 6530:2005	3

OTHER	STANDARD	HG6910
antistatic	EN1149-1:2006	Double Pass
рН	EN ISO 3071:2006	Pass

Protective clothing product introduction

HG691

Highly breathable reinforced flame-retardant protective clothing, made of highly breathable, flame-retardant and antistatic treated SMMS non-woven fabric, specially designed for protection against particles and slight non-flammable liquid splashes. It meets the requirements of European standard TYPE5 and TYPE6, and the fabric meets the flame retardant requirements of EN13274-4.

PRODUCT FEATURES

The product adopts the SMMS composite process of microfiber technology, which is specially designed for particle protection. It has good air permeability and flame retardant function, and has a wider range of applications.

- It can effectively protect the particles in the aerosol, and can filter particles with a diameter of less than 3 microns99.9% or more.
- No silicone oil, no formaldehyde and other toxic and harmful substances
- The color of the product is white, inner overlocked stitching increases the firmness and protective performance of the product
- Comfortable and safe style design improves wearing comfort

PRODUCT APPLICATIONS



Working

Environment

production

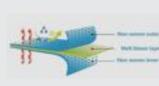
and assembly

operations



Repair and Maintenance Against Dust, Liquid Dirt

Details HG6910FsR



Fabric Structure The fabric is light and thin, adopts the structure of SMMS, with a melt-blown layer in the middle, and has good protection performance against general liquids, splashed liquids and dust particles. Special antistatic treatment can be applied in occasions requiring electrostatic protection.

Protective Class



ANTISTATIC EN 1149-5:2018 4

Product Parameters HG6910FsR

PHYSICAL PROPERTIES	STANDARD	HG6910
Bending strength	ISO 7854:1995	6
Tear streangth	EN ISO 9073-4:1997	2
Stretch strength	EN ISO 13934-1:1999	2
Wear-resistant	EN ISO 12974-2/EN530	2
Burst	EN 863:1995	1
ignite	EN 13274-4:2001	Pass

CLOTHING PERFORMANCE	STANDARD	HG6910
Inward leakage of the whole garment	EN ISO 13982:2004	Pass
Garment Spray Test	EN ISO 17491-4:2008	Pass
seam strength	EN ISO 13935-2:1999	3





Cleaning







Seam Image

Non-woven binding for increased seam strength and better protection against liquids and particles compared to normal sewn seams.

CHEMICAL PROPERTIES	STANDARD	HG6910
Sulfuric acid barrier	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium Hydroxide Penetration Resistance	EN ISO 6530:2005	3

OTHER	STANDARD	HG6910
antistatic	EN1149-1:2006	Double sidespass
рН	EN ISO 3071:2006	Pass

Protective clothing product introduction

36920C

More breathable and comfortable protective clothing, suitable for

wearing in hot climates and working environments, meeting the

nts of European Standard Type5 and Type6

PRODUCT FEATURES

The back of the product is made of blue highly breathable SMMS fabric above the waist, and the rest is made of microporous membrane composite fabric because the back is the main place where the human body's hot and humid steam emits. This structure allows the surrounding airflow to penetrate better the protective clothing, which greatly improves the comfort of the wearer. The products are mainly used in automobiles, medicine, cleaning room, and other industries, and have more and broader applications in automobile spraying.

- It can effectively protect the particles in the aerosol and can filter more than 99.9% of the particles with a diameter of fewer than 3 microns
- No silicone oil, no formaldehyde, and other toxic and harmful substances
- Meet EN1149-5 antistatic requirements
- Meet the puncture and flame resistance test required by EN1073-2 standard
- The product passed the EN14126:2003 anti-infectious agent test
- The seams are hemmed to increase the firmness and protective performance of the product
- Comfortable and safe style design, three-piece hood, and crotch gussets improve wearing comfort.

PRODUCT APPLICATIONS



Automobile Pharmaceutical Agricultural Industry Industry

Cleanroom Painting Production Industry

Site Survey Food Industry



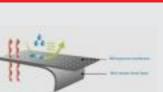
for the electronics industry

dust prevention

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Details HG6920C





Fabric Structure wearing experience



Product Parameters HG6920C

PHYSICAL PROPERTIES	STANDARD	HG6920C
Wear-Resistant	EN ISO 12974-2/EN530	4
Bending Stiffness	ISO 7854:1995	6
To Tear	EN ISO 9073-4:1997	1
To Stretch	EN ISO 13934-1:1999	1
Burst	EN 863:1995	1
Ignite	EN 13274-4:2001	Pass

CHEMICAL PROPERTIES	STANDARD	HG6920C
Sulfuric acid barrier	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium Hydroxide Penetration Resistance	EN ISO 6530:2005	3
o-xylene barrier	EN ISO 6530:2005	3
o-xylene breakthrough	EN ISO 6530:2005	3
Butanol barrier	EN ISO 6530:2005	2
Butanol breakthrough	EN ISO 6530:2005	3

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The HG6920C fabric (except the back) adopts the structure of non-woven fabric + breathable film, which has good breathability Air effect, while blocking liquids and tiny particles. High-quality fabrics ensure the safety of the wearer while giving a comfortable



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against liquids and particles.

BIOLOGICAL PERFORMANCE DATA	STANDARD	HG6920C
Penetration resistant to synthetic blood	ISO 16603:2004	6
Resistant to penetration by blood pathogens	ISO 16604:2004	2
Resistant to solid particle penetration	ISO 22612:2005	3
Resistant to liquid aerosol penetration	ISO/DIS 22611:2003	1
Resistant to liquid bacterial penetration	EN ISO 22610:2006	6

CLOTHING PERFORMANCE	STANDARD	HG6920C
Inward leakage of the whole garment	EN ISO 13982:2004	Pass
Garment Spray Test	EN ISO 17491-4:2008	Pass
seam strength	EN ISO 13935-2:1999	2

OTHER	STANDARD	HG6920C
antistatic	EN1149-1:2006	Double Pass
рН	EN ISO 3071:2006	3.5~9.5

Protective clothing product introduction



PRODUCT FEATURES

The fabric adopts advanced microporous membrane technology and composite technology. The product is lighter and more breathable, has a good wearing comfort experience, and is superior in liquid and particle protection performance. It is widely used in electronics, medicine and industrial fields

- It can effectively protect the particles in the aerosol, and can filter more than 99.9% of the particles with a diameter of less than 3 microns
- No silicone oil, no formaldehyde and other toxic and harmful substances
- Meet EN1149-5 antistatic requirements
- Meet the puncture and flame resistance test required by EN1073-2 standard
- The product passed the EN14126:2003 anti-infectious agent test
- The seams are hemmed to increase the firmness and protective performance of the product
- Comfortable and safe style design, three-piece hood and crotch gussets improve wearing comfort

PRODUCT APPLICATIONS



Production

Site Survey Painting Industry

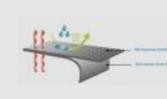
Food Industry construction for the electronics

industry

Assembly and Nuclear industry radioactive particles and dust prevention

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Details HG6922



Fabric Structure The composite of high-quality microporous membrane and non-woven fabric has good air permeability and can block liquid and tiny particles. High-quality fabrics ensure the safety of the wearer while giving a comfortable wearing experience

Protective	TYPE 5 EN ISO 13982-1:2004 +A1:2010	TYPE 6 EN 13034:2005 +A1:2009	ANTISTATIC EN 1149-5:2008	TYPE 5-B, EN 14126:
Class			4	

Product Parameters HG6922

PHYSICAL PROPERTIES	STANDARD	HG6922
Wear-resistant	EN ISO 12974-2/EN530	1
Bending stiffness	ISO 7854:1995	6
to tear	EN ISO 9073-4:1997	2
to stretch	EN ISO 13934-1:1999	1
Burst	EN 863:1995	2
ignite	EN 13274-4:2001	Pass
Adhesion	EN 25978:1990	No adhesion

CHEMICAL PROPERTIES	STANDARD	HG6922
Sulfuric acid barrier	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium Hydroxide Penetration Resistance	EN ISO 6530:2005	3
o-xylene barrier	EN ISO 6530:2005	3
o-xylene breakthrough	EN ISO 6530:2005	3
Butanol barrier	EN ISO 6530:2005	3
Butanol breakthrough	EN ISO 6530:2005	3



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Industry





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Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the strength of the seams and provides better protection against liquids and particles.

BIOLOGICAL PERFORMANCE DATA	STANDARD	HG6922
Penetration resistant to synthetic blood	ISO 16603:2004	6
Resistant to penetration by blood pathogens	ISO 16604:2004	4
Resistant to solid particle penetration	ISO 22612:2005	3
Resistant to liquid aerosol penetration	ISO/DIS 22611:2003	3
Resistant to liquid bacterial penetration	EN ISO 22610:2006	6

CLOTHING PERFORMANCE	STANDARD	HG6922
Inward leakage of the whole garment	EN ISO 13982:2004	Pass
Garment Spray Test	EN ISO 17491-4:2008	Pass
seam strength	EN ISO 13935-2:1999	4

OTHER	STANDARD	HG6922
antistatic	EN1149-1:2006	Double Pass
рН	EN ISO 3071:2006	3.5~9.5
Moisture resistance	ISO11092	18

Protective clothing product introduction

HG692

thin and breathable, it is the first choice for the wind power

PRODUCT FEATURES -

The organic combination of non-woven fabric and high-performance microporous membrane, the product retains the characteristics of lightweight, high breathability, as well as efficient dustproof, prevent liquid splashing function, while the wear resistance is extremely excellent, and also passed the EN14126:2003 test of the highest level of resistance to infectious media, to meet the requirements of the European standard Type5, Type6 standard, with wear resistance, efficient protection and good wearing It has multiple functions such as abrasion resistance, efficient protection and good wearing comfort.

Can be widely used in the production and maintenance of wind power industry products, in electronics, medicine and industrial fields are also used Widely used

- No silicone oil, no formaldehyde and other toxic and harmful substances
- Meet the requirements of EN1149-5 antistatic
- Meet the requirements of EN1073-2 standard puncture and flame resistance test
- The product has passed the EN14126:2003 test for resistance to infectious agents
- The seams are hemmed to increase the solidity and protection performance of the product
- Comfortable and safe design, three pieces of hood and crotch triangle joint improve the comfort of wearing

PRODUCT APPLICATIONS



Agricultural Cleanroom Production

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Painting Industry

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Site Survey



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Nuclear industry radioactive particles and dust prevention industry

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Details HG6925









Fabric Structure



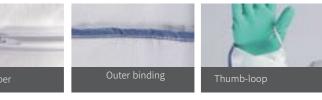
Product Parameters HG6925

PHYSICAL PROPERTIES	STANDARD	HG6925	BIOLOGICAL PERFORMANCE	-	STANDARD	HG6925
Wear-resistant	EN ISO 12974-2/EN530	5	Resistant to synthetic blood	l penetration	ISO 16603:2004	6
Bending stiffness	ISO 7854:1995	6	Resistant to blood pathoge	ns penetration	ISO 16604:2004	6
to tear	EN ISO 9073-4:1997	2	Solid particle penetration re	esistance	ISO 22612:2005	3
to stretch	EN ISO 13934-1:1999	2	Liquid aerosol penetration	resistance	ISO/DIS 22611:2003	3
Burst	EN 863:1995	2	Resistance to liquid bacteria	a penetration	EN ISO 22610:2006	6
ignite	EN 13274-4:2001	Pass				
Adhesion	EN 25978:1990	No adhesion	CLOTHING PERFORMANCE		STANDARD	HG6925

CHEMICAL PROPERTIES	STANDARD	HG6925
Sulfuric Acid Barrier Property	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium hydroxide penetration resistance	EN ISO 6530:2005	3

field





The organic combination of non-woven fabric and high-performance microporous membrane, the product retains the characteristics of lightness and high permeability, as well as having efficient dustproof and liquid spatter prevention functions, while the abrasion resistance is extremely excellent.



Seam Image

Non-woven edging, compared with ordinary sewing seams compared to ordinary sewn seams, increasing the strength of the seam and providing better protection against protection against liquids and particulates.

CLOTHING PERFORMANCE	STANDARD	HG6925
Inward leakage of the whole garment	EN ISO 13982:2004	Pass
Garment Spray Test	EN ISO 17491-4:2008	Pass
seam strength	EN ISO 13935-2:1999	3

OTHER	STANDARD	HG6925
antistatic	EN1149-1:2006	Single Pass
рН	EN ISO 3071:2006	3.5~9.5

Protective clothing product introduction

e5 and Type

PRODUCT FEATURES

The product fabric is made of microporous film and polypropylene composite material, the internal sewing and external seams are all heat-sealed, the seam strength is improved at the same time can be more effective protection against liquids and particulate matter, and the blood, the Body fluids and blood-borne pathogens protection by EN14126:2003 test standard requirements, can be applied to Protection of medical and viral contaminated areas.

- No silicone oil, no formaldehyde and other toxic and hazardous substances
- Meet the requirements of EN1149-5 antistatic
- Meet the requirements of EN1073-2 standard puncture and flame resistance test
- The product has passed the EN14126:2003 test for resistance to infectious agents
- The seams are sewn internally and heat sealed externally to increase the solidity of the seams and the protection performance of the product.
- Comfortable and safe design, three piece of hood and triangle crotch seams improve the comfort of wearing

PRODUCT APPLICATIONS





Medical Industry Virus and Pharmaceutical Cleanroom contamination field pharmaceutical field

Biochemical protection

Emergency Paint spraying Site survey care industry

cher

Low Pressure Nuclear industry Cleaning radioactive Operations Particulate matter and dust Dust Protection

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Details HG6930





Fabric Structure High-quality multi-microporous membrane laminated with non-woven fabric has good breathability while block liquids and tiny particles. High-quality fabric ensures the safety of the wearer while giving a comfortable wearing experience.

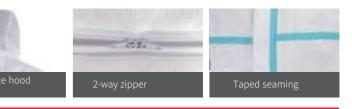


Product Parameters HG6930

PHYSICAL PROPERTIES	STANDARD	HG6930
Abrasion resistance	EN ISO 12974-2/EN530	1
Bending stiffness resistance	ISO 7854:1995	6
Tearing	EN ISO 9073-4:1997	2
Tensile	EN ISO 13934-1:1999	1
Top breaking	EN 863:1995	2
Ignition	EN 13274-4:2001	Pass
Adhesion	EN 25978:1990	No adhesion

CHEMICAL PROPERTIES	STANDARD	HG6930
Sulfuric Acid Barrier Property	EN ISO 6530:2005	3
Sulfuric acid penetration resistance	EN ISO 6530:2005	3
Sodium hydroxide barrier	EN ISO 6530:2005	3
Sodium hydroxide penetration resistance	EN ISO 6530:2005	3
O-xylene barrier	EN ISO 6530:2005	3
o-xylene penetration	EN ISO 6530:2005	3
N-butanol barrier	EN ISO 6530:2005	3
N-butanol penetration	EN ISO 6530:2005	3
Resistant to 10% sodium hydroxide penetration	EN ISO 6529:2001	6
Resistance to 10% Sodium hydroxide permeation at joints	EN ISO 6529:2001	6







Seam Image

Internal seaming, external heat-sealed tape increase seam strength and provide more effective protection against liquids and particles

BIOLOGICAL PERFORMANCE DATA	STANDARD	HG6930
Resistant to synthetic blood penetration	ISO 16603:2004	6
Resistant to blood pathogens penetration	ISO 16604:2004	4
Solid particle penetration resistance	ISO 22612:2005	3
Liquid aerosol penetration resistance	ISO/DIS 22611:2003	3
Resistance to liquid bacteria penetration	EN ISO 22610:2006	6

CLOTHING PERFORMANCE	STANDARD	HG6930
Inward leakage of the entire garment	EN ISO 13982:2004	Pass
Whole garment spraying test	EN ISO 17491-4:2008	Pass
Seam strength	EN ISO 13935-2:1999	4

OTHER	STANDARD	HG6930
antistatic	EN1149-1:2006	Double sides pass
рН	EN ISO 3071:2006	3.5~9.5
Moisture resistance	ISO11092	18

Protective clothing product introduction

AL HISTORY AND

Birth date

Contas

Family Physician and/or Prim

DografiOther

Addres

lastic cuffs

One-piece isolation gown

PRODUCT FEATURES

The product uses non-woven fabric as the main raw material, and is made by cutting and sewing. Supplied non-sterile. The non-woven fabric used in the product is made of polypropylene material.

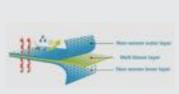
PRODUCT APPLICATIONS



Medical Industry Pharmaceutical field

Livestock Breeding

Details HG6931



Fabric Structure electrostatic protection.

Protective Class Medical Device China Standard

Product Parameters HG6931

TEST ITEMS	TEST RESULT	CLASS	EVALUATE
Wear resistance	11times	Level1	Qualified
Seam strength	150N	Level4	Qualified
Flex damage resistance	510times	Level1	Qualified
Puncture resistance	7N	Level1	Qualified
High temperature performance	Warp: 1.2%/Weft:0.3%	/	Qualified
Low temperature resistance	Warp: 4.8%/Weft:3.1%	/	Qualified
Tear strength	Warp: 100N/Weft:46N	Level5/Level3	Qualified
断裂强力	Warp: 140N/Weft:58N	Level3/Level1	Qualified
Inward leakage rate of solid particles	≤ 12.9%	/	Qualified

~ 28



The fabric is light and thin, adopts the structure of SMS, and has a melt-blown layer in the middle, which has good protection performance against general liquids, splashed liquids and dust particles. Special antistatic treatment can be applied in occasions requiring



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against particulate matter

HG6932

One-piece isolation gowr

Protective clothing product introduction

lastic cuffs

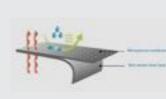
PRODUCT FEATURES

The product uses non-woven fabric as the main raw material, and is made by cutting and sewing. Supplied non-sterile. The non-woven fabric used in the product is made of polypropylene material.

PRODUCT APPLICATIONS



Details HG6932



Fabric Structure

Protective Class Medical device, China standard

Product Parameters HG6932

TEST ITEMS	TEST RESULT	CLASS	EVALUATE
Wear resistance	11times	Level1	Qualified
Seam strength	100N	Level3	Qualified
Flex damage resistance	510times	Level1	Qualified
Puncture resistance	7N	Level1	Qualified
High temperature performance	Warp:2.6%/Weft:6.5%	/	Qualified
Low temperature resistance	Warp:4.5%/Weft:-1.6%	/	Qualified
Tear strength	Warp:55N/Weft:32N	Level3/Level2	Qualified
Breaking strength	Warp:93N/Weft:50N	Level2/Level1	Qualified



The composite of high-quality microporous film and the non-woven fabric has good air permeability and can blocks liquids and tiny particles. High-quality fabrics ensure the safety of the wearer while giving provides a comfortable wearing experience



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against particulate matter.

Protective clothing product introduction

PRODUCT FEATURES

Elastic cuffs

isolati

The product uses non-woven fabric as the main raw material, and is made by cutting and sewing. Supplied non-sterile. The non-woven fabric used in the product is made of polypropylene material.

PRODUCT APPLICATIONS





调整尺寸, 话合多种休型的



Details HG6932T



Fabric Structure

Protective Class Medical device, China standard

Product Parameters HG69321

TEST ITEMS	TEST RESULT	CLASS	EVALUATE
Crumple resistance	ISO 7854:1995	More than 50,000 times	6
Tear Strength	EN ISO 9073-4:1997	25N	2
Breaking Strength	EN ISO 13934-1:1999	55N	1
Wear Resistance	EN ISO 12974-2/EN530	30times	1
Puncture Resistance	EN 863:1995	11N	2



The composite of high-quality microporous membrane and non-woven fabric has good air permeability and can block liquid and tiny particles. High-quality fabrics ensure the safety of the wearer while giving a comfortable wearing experience.



Seam Image

Non-woven fabric binding, compared with ordinary sewing seams, increases the seam strength and better protects against particulate matter.

Protective clothing product introduction

HG6935

Provide barrier and protection for medical staf



PRODUCT FEATURES

- The fabric is made of high-performance durable antistatic breathable film and non-woven fabric, and the clothes are made of advanced Sewn and heat-sealed
- The main performance indicators of the product, liquid barrier function, breaking strength, filtration efficiency, etc. are in line with GB19082-2009 standard requirements

PRODUCT APPLICATIONS -

contamination

pharmaceutical field



field



HICUARD

Protective clothing product introduction



PRODUCT FEATURES

The fabric is an organic combination of high-performance polyethylene film and polypropylene polymer. The excellent ratio further enhances the performance of the product. It is suitable for strong acid, strong alkali chemicals and environmental treatment, and is also widely used in petrochemical, chemical manufacturing and biochemical protection etc.

- Can effectively protect a variety of liquid chemicals
- No silicone oil, no formaldehyde and other toxic and harmful substances
- Meet EN1149-5 antistatic requirements
- Meet the puncture and flame resistance test required by EN1073-2 standard
- The product passed the EN14126:2003 anti-infectious agent test
- Bright yellow color improves visibility and safety for the wearer Internally sewn externally heat-sealed for increased seam strength for greater protection against
- liquids, particulates and many chemicals
- The double-layer zipper design improves the tightness of the product and further enhances the protective performance
- The design of knee pads and shoe covers has been added, and the knee pads have obtained a utility model design patent, which meets the various needs of users
- Comfortable and safe style design, three-piece cap and crotch gusset design improve wearing comfort

PRODUCT APPLICATIONS

Manufacturing





treatment

material



treatment





Industrial Nuclear industry radioactive particles and dust prevention

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Details HG6940



Fabric Structure HG6940 is made of polyethylene (PE) coated fabric, and the inner layer is strong antistatic PP non-woven fabric; it can provide excellent protection against many harmful chemicals.

Protective Class



Product Parameters HG6940

PHYSICAL PROPERTIES	STANDARD	HG6940
Abrasion resistance	EN ISO 12974-2/EN530	3
Bending stiffness resistance	ISO 7854:1995	6
Tearing	EN ISO 9073-4:1997	3
Tensile	EN ISO 13934-1:1999	2
Top breaking	EN 863:1995	2
Ignition	EN 13274-4:2001	Pass
Adhesion	EN 25978:1990	No adhesion

CHEMICAL PROPERTIES	STANDARD	HG6940
30% sulfuric acid	EN ISO 6530:2005	3
10% sodium hydroxide	EN ISO 6530:2005	3
O-xylene	EN ISO 6530:2005	3
Butanol	EN ISO 6530:2005	3
30% sulfuric acid	EN ISO 6529:2001	6
96% sulfuric acid	EN ISO 6529:2001	6
98% sulfuric acid	EN ISO 6529:2001	6
10% sodium hydroxide	EN ISO 6529:2001	6
40% sodium hydroxide	EN ISO 6529:2001	6
50% sodium hydroxide	EN ISO 6529:2001	6
85% phosphoric acid	EN ISO 6529:2001	6
37% hydrochloric acid	EN ISO 6529:2001	6
70% nitric acid	EN ISO 6529:2001	6

~ 36











Seam Image

Internal sewing, external heat-sealed tape, increase seam strength, more effective protection against liquids and particles.

BIOLOGICAL PERFORMANCE DATA	STANDARD	HG6940
Resistant to synthetic blood penetration	ISO 16603:2004	6
Resistant to blood pathogens penetration	ISO 16604:2004	5
Solid particle penetration resistance	ISO 22612:2005	3
Liquid aerosol penetration resistance	ISO/DIS 22611:2003	3
Resistance to liquid bacteria penetration	EN ISO 22610:2006	6

CLOTHING PERFORMANCE	STANDARD	HG6940
Inward leakage of the entire garment	EN ISO 13982:2004	Pass
Whole garment spraying test	EN ISO 17491-4:2008	Pass
Seam strength	EN ISO 13935-2:1999	3

OTHER	STANDARD	HG6940
antistatic	EN1149-1:2006	Double sides pass
рН	EN ISO 3071:2006	Pass

Protective clothing product introduction



nical protective clothing known in the market, which c Type4 standards

PRODUCT FEATURES

The fabric adopts a professionally proportioned polyethylene coating, which is perfectly combined with high-performance non-woven fabrics. The internal sewing and external heatsealing process improves the seam strength, which can better protect against liquids, particles and various chemicals. Widely used in chemical industry, chemical manufacturing, synthetic materials and other fields, light and comfortable to wear

- Effectively protect a variety of liquid chemicals
- No silicone oil, no formaldehyde and other toxic and harmful substances
- Meets EN1149-5 antistatic requirements
- Meet the puncture and flame resistance tests required by the EN1073-2 standard
- The product has passed the EN14126:2003 anti-infectious medium test
- Bright yellow improves visibility and wearer's safety Product thumb loop design prevents sleeves from slipping when arms are raised
- Widened front storm-flap with re-sealable tape, good airtightness
- The seaming adopts internal sewing and external heat sealing technology, which increases the firmness of the seam and the protective performance of the product.
- Comfortable, safe style design, and three-piece hood improve the comfort of wearing

PRODUCT APPLICATIONS



Petrochemicals Chemical

manufacturing



materials

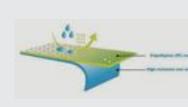






Industrial Nuclear Industry Cleaning Radioactive Particles and Operations Dust Protection

Details HG6940L



Fabric Structure

chemicals.

Protective Class



Product Parameters HG6940L

PHYSICAL PROPERTIES	STANDARD	HG6940L
Wear resistance	EN ISO 12974-2/EN530	6
Bending stiffness	ISO 7854:1995	6
Tearing	EN ISO 9073-4:1997	2
Stretching	EN ISO 13934-1:1999	2
Burst	EN 863:1995	2
Ignition	EN 13274-4:2001	PASS
Adhesion	EN 25978:1990	NO

CHEMICAL PROPERTIES	STANDARD	HG6940L
30% sulfuric acid	EN ISO 6530:2005	3
10% sodium hydroxide	EN ISO 6530:2005	3
0-xylene	EN ISO 6530:2005	3
Butanol	EN ISO 6530:2005	3
30% sulfuric acid	EN ISO 6529:2001	6
95% sulfuric acid	EN ISO 6529:2001	6
96%sulfuric acid	EN ISO 6529:2001	6
98% sulfuric acid	EN ISO 6529:2001	6
10% sodium hydroxide	EN ISO 6529:2001	6
40%sodium hydroxide	EN ISO 6529:2001	6
50%sodium hydroxide	EN ISO 6529:2001	6
85% phosphoric acid	EN ISO 6529:2001	6
37% hydrochloric acid	EN ISO 6529:2001	6
70% 硝酸	EN ISO 6529:2001	6







HG6940L is made of polyethylene (PE) coated fabric with a strong anti-static PP non-woven lining. Can provide excellent protection against a wide range of harmful

Seam Image

Internal sewing, external heat seal patch, increase seam strength, more effective protection against liquids and particulates.

BIOLOGICAL PERFORMANCE DATA	STANDARD	HG6940L
Penetration resistant to synthetic blood	ISO 16603:2004	6
Resistance to penetration by blood pathogens	ISO 16604:2004	6
Resistant to solid particle penetration	ISO 22612:2005	3
Resistant to liquid aerosol penetration	ISO/DIS 22611:2003	3
Resistant to penetration of liquid bacteria	EN ISO 22610:2006	6

CLOTHING PERFORMANCE	STANDARD	HG6940L
Inward leakage of the whole clothjing	EN ISO 13982:2004	PASS
Whole clothing Spray Test	EN ISO 17491-4:2008	PASS
Seam strength	EN ISO 13935-2:1999	4

OTHER	STANDARD	HG6940L
Anti-static	EN1149-1:2006	Pass for double sides
pH	EN ISO 3071:2006	3.5~9.5

Protective clothing product introduction

HG6950

The innovative combination of high-performance barrier film and wood performance barrier film and wood perform

fabric has excellent protective performance and comfortable wearing exp

PRODUCT FEATURES ·

The fabric is a composite fabric of high-performance barrier film and wood pulp composite non-woven fabric synthesized by multi-layer materials, which has excellent protection performance against organic, inorganic chemicals and biological media; wood pulp composite non-woven fabric fabric is comfortable wood pulp The combination with polyester has a strong moisture absorption function, which can better absorb the sweat produced by the human body due to wearing, suitable for summer and high temperature The effect is particularly obvious in high temperature environments, and meets the requirements of Type3 and Type4 standards.

- The products can be used for the treatment and transportation of chemicals and hazardous waste, and are also used in petrochemical, chemical manufacturing and biochemical protection and other fields.
- Can effectively protect a variety of liquid chemicals
- No silicone oil, no formaldehyde and other toxic and harmful substances
- Meets EN1149-5 antistatic requirements
- Meet the puncture and flame tests required by the EN1073-2 standard
- The product passed the EN14126:2003 anti-infective agent test
- Internally stitched externally heat-sealed for added seam strength and better protection from liquids, particle
 many chemicals
- The double-layer zipper design improves the tightness of the product and further enhances the properformance
- The design of knee pads and shoe covers has been added, and the knee pads have obtained a utility model design patent, which meets the various needs of users
- Comfortable and secure style design, three-piece hood and tri-angle crotch design enhances wearing comfort Product Applications

PRODUCT APPLICATIONS



hazardous waste

Transportation Petrochemicals and handling of chemicals and

Chemical Synthetic Aci manufacturing materials cha env

Acid and alkali Virus and Biochemical chemicals and contamination protection environmental Contaminant treatment Area Protection Treatment Site survey



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Protective clothing product introduction

Accessories (Laminating)



HG110 lab coat

Internal hemming, Three pockets, Zipper Stormflap Elasticated cuffs. **Size:** S-4XL



HG120 Reversed gown

Reversed Blue hemmed collar. Thermal tapes. Velcro fastening at back. Elasticated cuffs. **Size:**S-4XL



HG130 Jacket and trousers set with hood

External hemming. with hood. zipped. Stormflap Elasticated side waist, side waist and cuffs. Size: S-4X



HG131 Jacket and trousers set with hood

External hemming. with hood. zipped. Stormflap Elasticated side waist, side waist and cuffs. **Size:** S-4XL



HG210 Jacket with hood

External hemming. With hood. Zipper Stormflap. Elasticated cuffs and side waist. **Size:** S-4XL



HG310 pants

External hemming Elasticated waist and cuffs. **Size:**S-4XL



HG410 vest style apron

One-piece cut Drawstring **Size:** free size

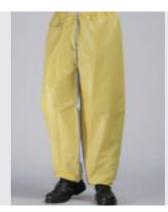
Size:

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HG211 Jacket with hood

External hemming. With hood. Stormflap. Elasticated cuffs and side waist. Size: S-4XL



HG311 pants

External hemming Elasticated waist and cuffs. Size:S-4XL

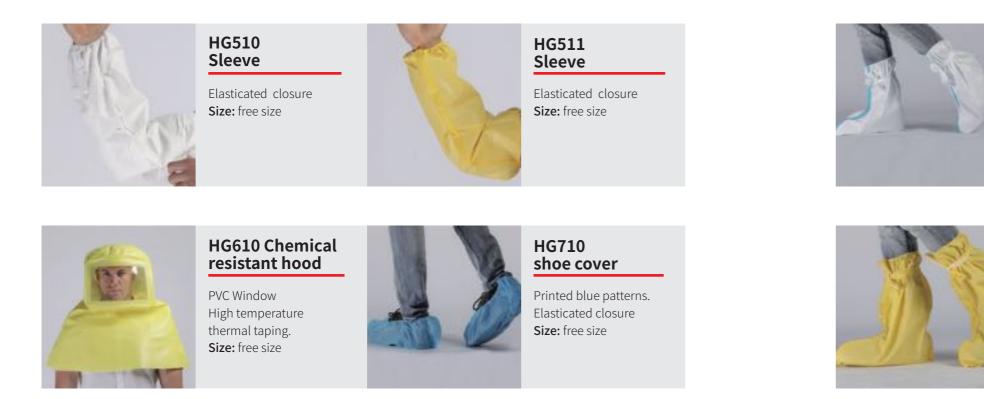


HG411 vest style apron

One-piece cut Drawstring **Size:** free size

Protective clothing product introduction

Accessories (Laminating)



HG715 taped boot cover

High-temperature thermal taping. Elastic elastic closure. Binding. **Size:** free size

HG713 taped boot cover

High-temperature

Elastic elastic closure.

thermal taping.

Size: free size

Binding



HG711 two-piece boot cover

External hemming Elasticated closure Binding **Size:** free size



HG712 Non-slip boot cover External hemming

Elastic closure. Binding **Size:** free size



HG717 Non-slip shoe cover

High-temperature thermal taping. Anti-slip material at the bottom, Elasticated closure. Binding. Size: free size

HICUARD



HG714 taped boot cover

High-temperature thermal taping. Elastic elastic closure. **Size:** free size



HG716 Anti-skid boot cover

High-temperature thermal taping, Protection material on the bottom, Elasticated closure, binding. Size: free size



HG718 Taped non-slip shoe cover

High-temperature thermal paste tapes. non-slip material at the bottom, and elastic closure. **Size:** free size

HICUARD

Manufacturer: Jinan Winhealth Co., Ltd Add: Building B,No. 22 Plant, Export Processing Zone, High-tech District, Jinan, China Tel: 0531-88234577

E-mail: sales@winhealth.cn