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Focus on R & D and manufacturing of pharmaceutical  
GMP disposable cleanroom clothing .

**KONZER**  
SAFETY PROTECTION

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**CLEANROOM  
PROTECTION**

# ABOUT CLEANROOM PROTECTION

KONZER cleanroom protection series products are produced in an environment and process that strictly adhere to GMP and ISO 14644 standards. They are produced and packaged in a cleanroom environment, with the highest environmental level reaching ISO 5 class cleanroom standard. The products have comprehensive quality documents and verification systems, consistently adhering to stringent process requirements and quality systems to manufacture high-quality products from stability to compliance. This helps customers minimize potential contamination risks for personnel and empowers pharmaceutical sterile production pollution control strategies.



Disposable cleanroom protective products are used for ISO4-8 /GMP ABCD grade sterile and non-sterile clean areas, also used for the cleanroom whose controlled environment particulates cleanliness meet IEST-RP-CC003.4 Category I/II/III grade.

## Cleanroom Classification Levels

1. The cleanliness grades specified by ISO and the traditional grading system

ISO 14644-1 Classification	The maximum allowable concentration of a specific particle size per cubic meter (particles/cubic meter).						Similar to traditional grades (Federal 209E)
	0.1 μm	0.2 μm	0.3 μm	0.5 μm	1.0 μm	5.0 μm	
ISO Class 1	10	2					
ISO Class 2	100	24	10	4			
ISO Class 3	1000	237	102	35	8		Class 1
ISO Class 4	10000	2370	1020	352	83		Class 10
ISO Class 5	100000	23700	10200	3520	832	29	Class 100
ISO Class 6	1000000	237000	102000	35200	8320	293	Class 1000
ISO Class 7				352000	83200	2930	Class 10000
ISO Class 8				3520000	832000	29300	Class 100000
ISO Class 9				35200000	8320000	293000	

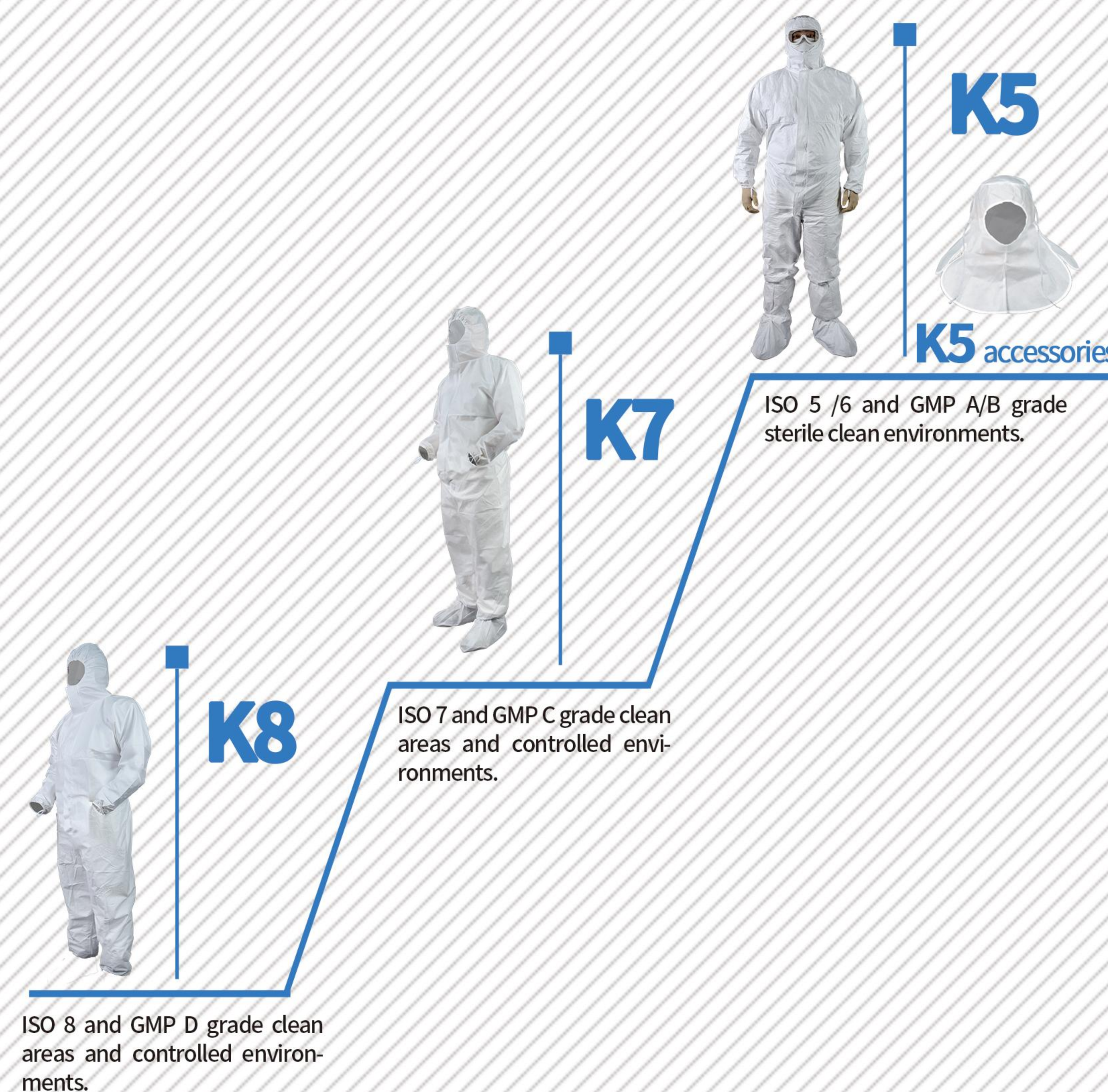
2. EU GMP Grade

Cleanliness Class	Maximum allowable number of suspended particles per cubic meter			
	Static		Dynamic	
	≥0.5 μm	≥5.0 μm	≥0.5 μm	≥5.0 μm
Class A	3520	20	3520	20
Class B	3520	29	352000	2900
Class C	352000	2900	3520000	29000
Class D	3520000	29000	No regulations	No regulations

## QUALITY ASSURANCE MEASURES

- ※ The quality management system implements the ISO9001:2016 standard.
- ※ Each batch of products comes with a Certificate of Conformance (COC) and a sterility report to ensure product quality.
- ※ The cleanliness of each batch of products is tested via the Helmke drum test.
- ※ We can conduct on-site audits upon customer's request.
- ※ Relevant quality documents can be provided upon customer's request.
- ※ Every batch of product's production, processing, and sterilization process is traceable.

## PRODUCT CATALOG



## K5 Sterile cleanroom clothing and accessories

Application classification	Model	Picture	Description	Size
ISO 5/6 GMP A/B	K5F4		Sterile cleanroom coverall,with hood and boot intergrated, <b>Spolek™</b> flash-spinning fabric,bound sewing,elastic cuff&ankle,with thumb ring,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	S M L XL 2XL 3XL
	K5F2		Sterile cleanroom coverall,without hood and boot, <b>Spolek™</b> flash-spinning fabric,bound sewing,elastic cuff&ankle,with thumb ring,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	S M L XL 2XL 3XL
	K5FH		Sterile cleanroom hood, <b>Spolek™</b> flash-spinning fabric,bound sewing,sterile folding. Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	F
	K5FB		Sterile cleanroom boot cover, <b>Spolek™</b> flash-spinning fabric,bound sewing,ankle stripe,non-slip sole,sterile folding. Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	F
	K5P0		Sterile cleanroom oversleeves,double side coated fabric,bound sewing,sterile folding. Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	F
	K5M4		Sterile cleanroom coverall,with hood and boot intergrated, <b>SMS</b> fabric,bound sewing,elastic cuff&ankle,with thumb ring,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	S M L XL 2XL 3XL
	K5M2		Sterile cleanroom coverall,without hood and boot, <b>SMS</b> fabric,bound sewing,elastic cuff&ankle,with thumb ring,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	S M L XL 2XL 3XL
	K5MH		Sterile cleanroom hood, <b>SMS</b> fabric,bound sewing,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	F
K5MB		Sterile cleanroom boot cover, <b>SMS</b> fabric,bound sewing,ankle stripe,non-slip sole,sterile folding.Cleanroom production, ISO5 cleanroom packaging, irradiation sterilization.	F	

## K7 Sterile cleanroom clothing and accessories

Application classification	Model	Picture	Description	Size
ISO 7 GMP C	K7F4		Sterile cleanroom coverall with hood and boots intergrated, <b>Spolek™</b> flash spinning fabric, four-thread sewing, elastic cuff&ankle,with thumb ring, sterile folding, cleanroom production , ISO 6 cleanroom packaging, Irradiation sterilization.	S M L XL 2XL 3XL
	K7P4		Sterile cleanroom coverall with hood and boots intergrated, microporous breathable film fabric, bound sewing, elastic cuff&ankle,with thumb ring, sterile folding, cleanroom production , ISO 6 cleanroom packaging, Irradiation sterilization.	S M L XL 2XL 3XL
	K7P3		Sterile cleanroom coverall with hood , microporous breathable film fabric, bound sewing, elastic cuff&ankle,with thumb ring, sterile folding, cleanroom production , ISO 6 cleanroom packaging, Irradiation sterilization.	S M L XL 2XL 3XL
	K7PC		Cleanroom lab coat, Made of microporous film polypropylene non-woven fabric, excellent anti-liquid spraying effect.Reinforced bound sewing,elastic cuffs and ankles,with collar.With zipper, easy to wear.The packaging environment meets the ISO 6 cleanliness standard.	F

## K8 Cleanroom clothing and accessories

Application classification	Model	Picture	Description	Size
ISO 8 GMP D	K8M4		Cleanroom coverall with hood and boots intergrated, <b>SMS</b> fabric, bound sewing, elastic cuff&ankle,with thumb ring, cleanroom production ,ISO 6 cleanroom packaging.	S M L XL 2XL 3XL
	K8M3		Cleanroom coverall with hood , <b>SMS</b> fabric, bound sewing, elastic cuff&ankle,with thumb ring, cleanroom production , ISO 6 cleanroom packaging.	S M L XL 2XL 3XL
	K8PB		Cleanroom boot cover ,double-side coated fabric,bound sewing, ankle straps and non-slip soles, cleanroom production , ISO 6 cleanroom packaging.	F

※When choosing a product, please refer to the product code explanation:

- K5= ISO 5/6;GMP A/B
- K7= ISO 7;GMP C
- K8= ISO 8;GMP D
- M= SMS fabric
- P= Microporous breathable film fabric
- F = **Spolek™**flash spinning fabric
- B= Non slip boot cover
- H= Hood
- O= Oversleeves
- 2= Coverall without hood and boots intergrated
- 3= Coverall with hood
- 4= Coverll with hood and boots intergrated

# K8 ISO 8 / GMP D grade



Non-sterilization  
cleanroom coverall

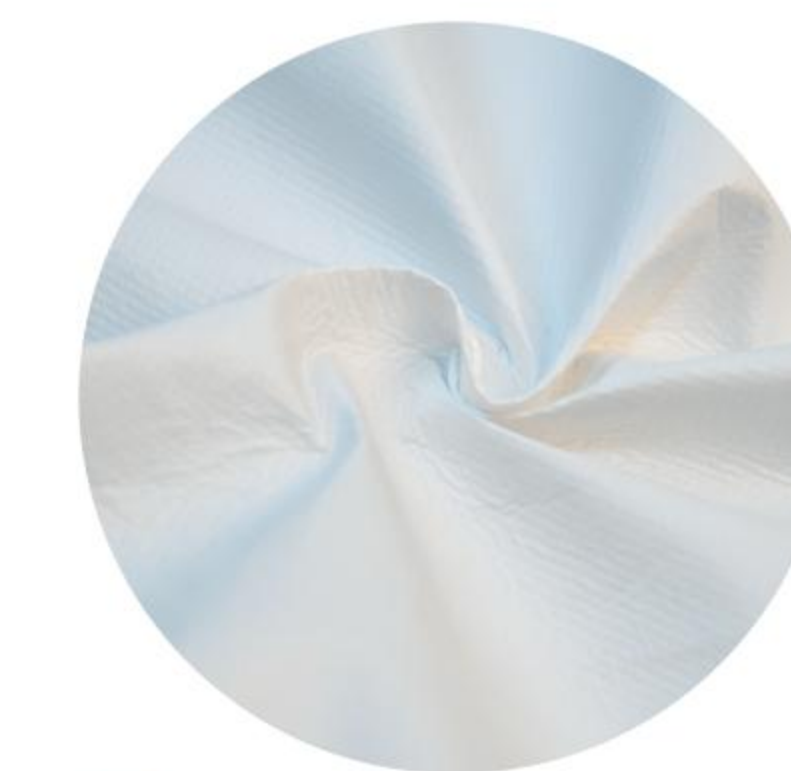
# K8 Cleanroom Boot Cover

## ▼ Product characteristics

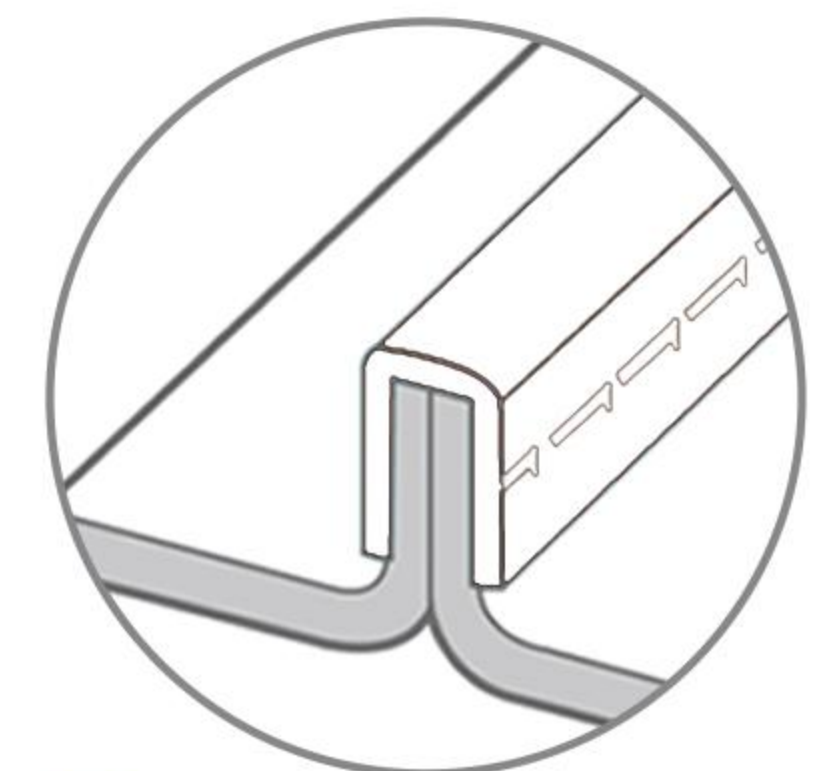
- Clean room environment production.
- Suitable for ISO Class 8 and GMP D grade clean environment.
- Made of microporous breathable film polypropylene non-woven fabric, light weight, high strength, tear resistance.
- High air permeability, make the wearing comfort significantly improved.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- The ankle has straps, reinforced bound sewing, the sole made of non-slip material.
- Packaging environment meets ISO 6 cleanliness standard.



Style PB Non Slip Boot Cover



■ Microporous breathable film



■ Bound sewing



■ Anti-slip sole



■ Ankle straps

Product Name	Style	Size	SKU NO.	Packing
K8 Cleanroom Boot Cover	PB Non Slip Boot Cover	F	K8PBF	1 pair/bag, 100 pairs/carton

# K8 Cleanroom Coverall



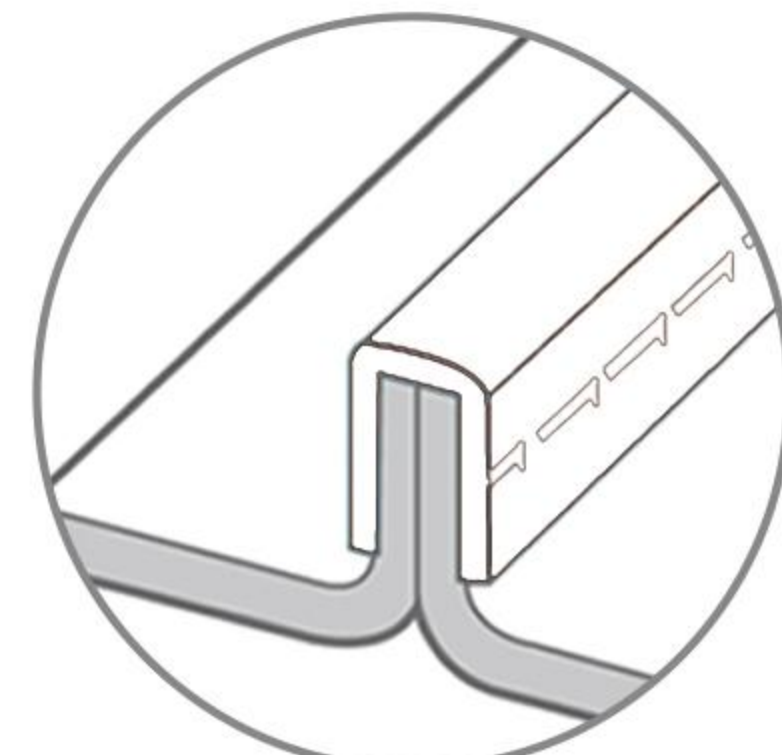
Style M 3  
Coverall With Hood

## Product characteristics

- Clean room environment production.
- Suitable for ISO 8 and GMP D grade clean areas.
- Made of SMS polypropylene fabric, high air permeability makes wearing comfort improved significantly.
- Reinforced bound sewing.
- Elastic cuffs and ankles, thumb ring design.
- Packaging environment meets ISO 6 cleanliness standard.



SMS fabric



Bound sewing



Elastic design



Thumb ring

# K8 Cleanroom Coverall



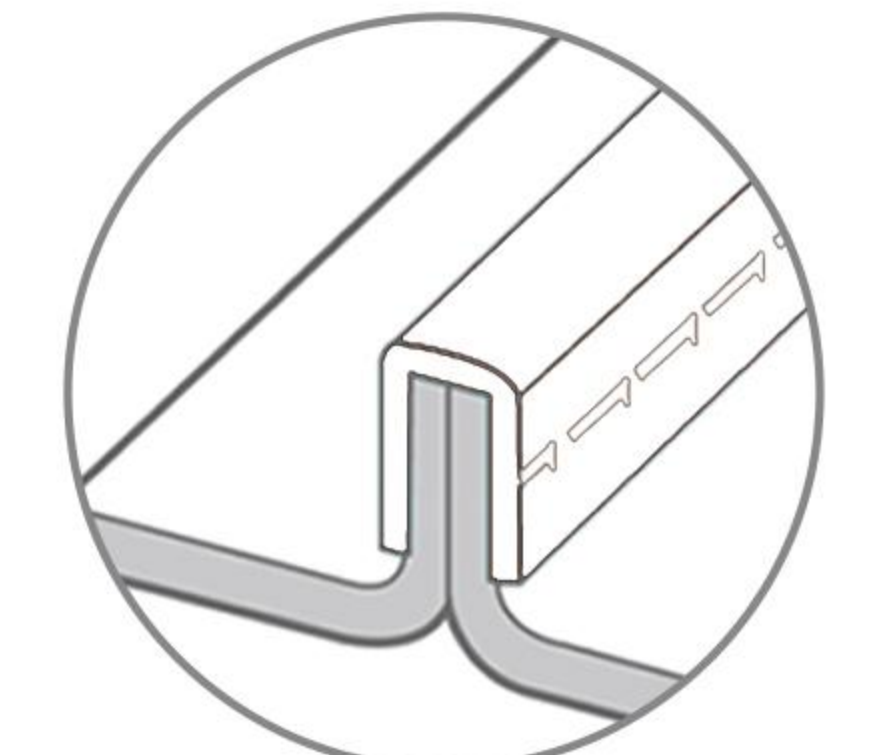
Style M 4 - Coverall With Hood And Boots

## Product characteristics

- Clean room environment production
- Suitable for ISO Class 8 and GMP D grade clean areas.
- Made of SMS polypropylene fabric, high air permeability makes wearing comfort improved significantly.
- Reinforced bound sewing.
- Elastic cuffs and ankles, thumb ring design.
- Packaging environment meets ISO 6 cleanliness standard.



SMS fabric



Bound sewing



Coverall with shoe cover



Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K8 Cleanroom Coverall	M3 Coverall With Hood	S	K8M3S	1pc/bag, 25 pcs/carton
		M	K8M3M	
		L	K8M3L	
		XL	K8M3XL	
		XXL	K8M32XL	
		XXXL	K8M33XL	

Product Name	Style	Size	SKU NO.	Packing
K8 Cleanroom Coverall	M4 Coverall With Hood And Boots	S	K8M4S	1pc/bag, 25 pcs/carton
		M	K8M4M	
		L	K8M4L	
		XL	K8M4XL	
		XXL	K8M42XL	
		XXXL	K8M43XL	

# K7 ISO 7 / GMP C grade



# Sterile Cleanroom Coverall

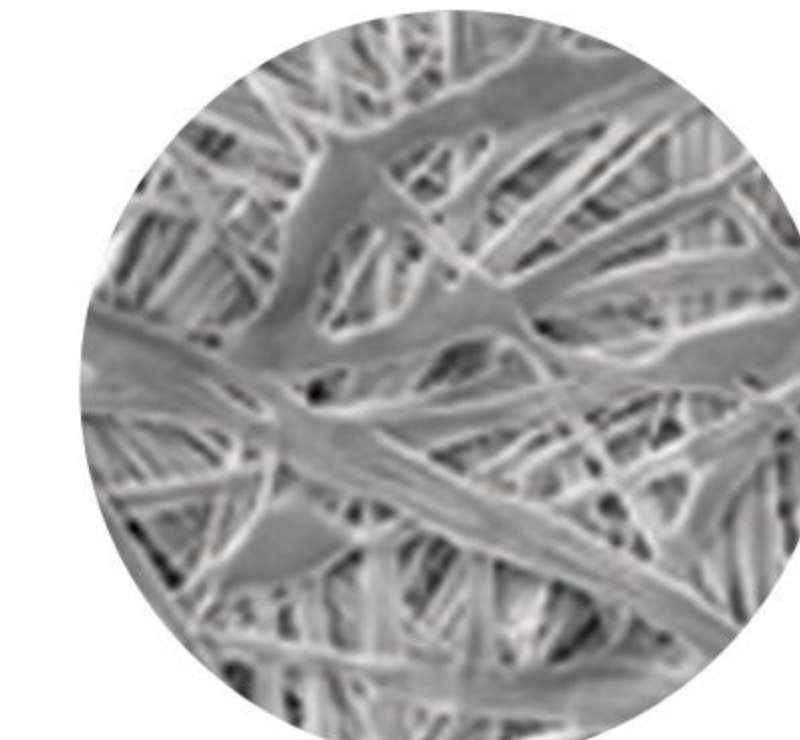
# K7 Sterile Cleanroom Coverall



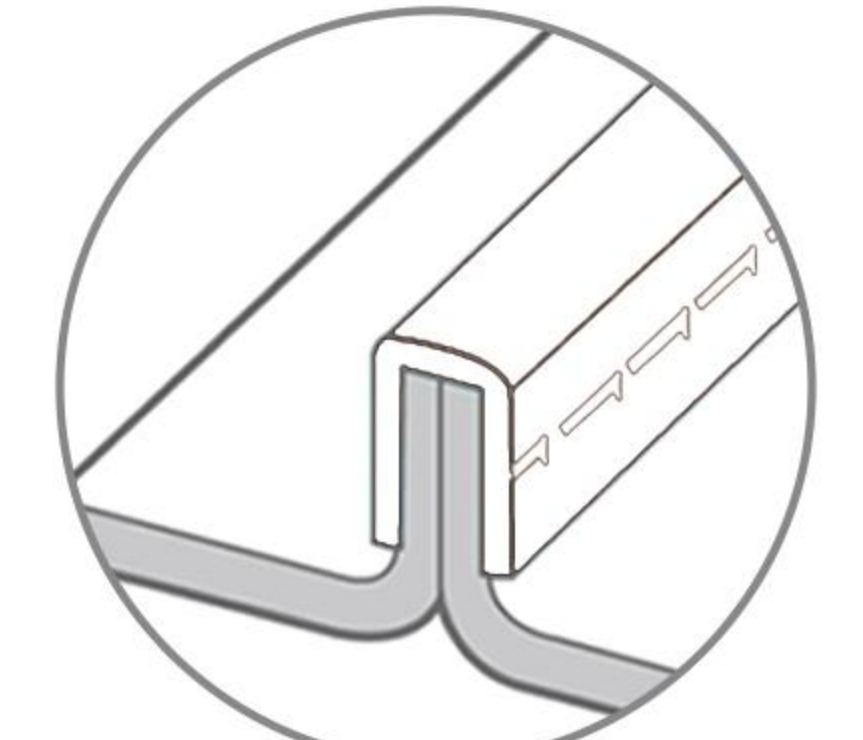
Style F4 Coverall With Hood

### Product characteristics

- Clean room environment production.
- Suitable for ISO 7 and GMP C grade clean areas.
- Made of *Spolek*™ flash-spinning fabric, has excellent anti-liquid spraying effect.
- Highly active drug application.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing, elastic cuffs and ankles, thumb ring design, Non-slip sole.
- Two pull rings are exposed at the waist, which is easy to wear aseptically, and there is an eye-catching blue indicator line.
- Gamma ray sterilization, sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 6 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



Spolek™ fabric



Bound sewing



Wearing indicator lines



Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K7 Sterile Cleanroom Coverall	F4 Coverall With Hood And Boots	S	K7F4S	1pc/double-layer bag, 25 pcs/carton
		M	K7F4M	
		L	K7F4L	
		XL	K7F4XL	
		XXL	K7F42XL	
		XXXL	K7F43XL	

# K7 Cleanroom lab coat

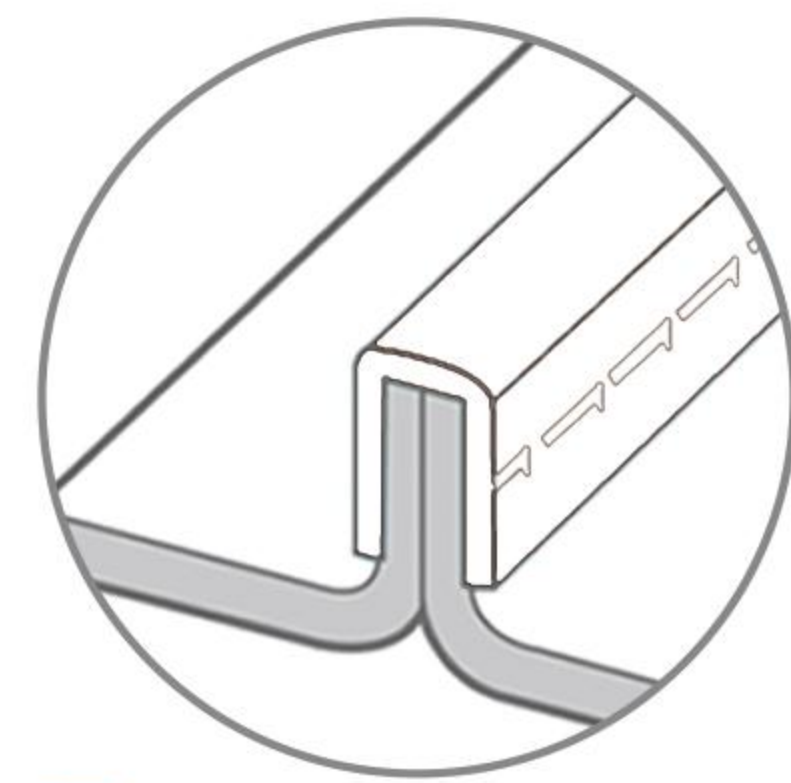
## ▼ Product characteristics



- Cleanroom production.
- Suitable for clean laboratory.
- Made of microporous film polypropylene non-woven fabric, excellent anti-liquid spraying effect.
- Low particle shedding, and pass the antistatic test, surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing, elastic cuffs and ankles, with collar.
- With zipper, easy to wear.
- The packaging environment meets the ISO 6 cleanliness standard.



■ Microporous breathable film



■ Bound sewing



■ Stand collar design



■ Zipper design

Style **PC - lab coat**

Product Name	Style	Size	SKU NO.	Packing
K7 Cleanroom lab coat	PC Lab coat	F	K7PCF	1pc/double-layer bag, 25 pcs/carton



# K5 ISO 5/6 GMP A/B grade



## Sterile Cleanroom Coverall

# K7 Sterile Cleanroom Coverall



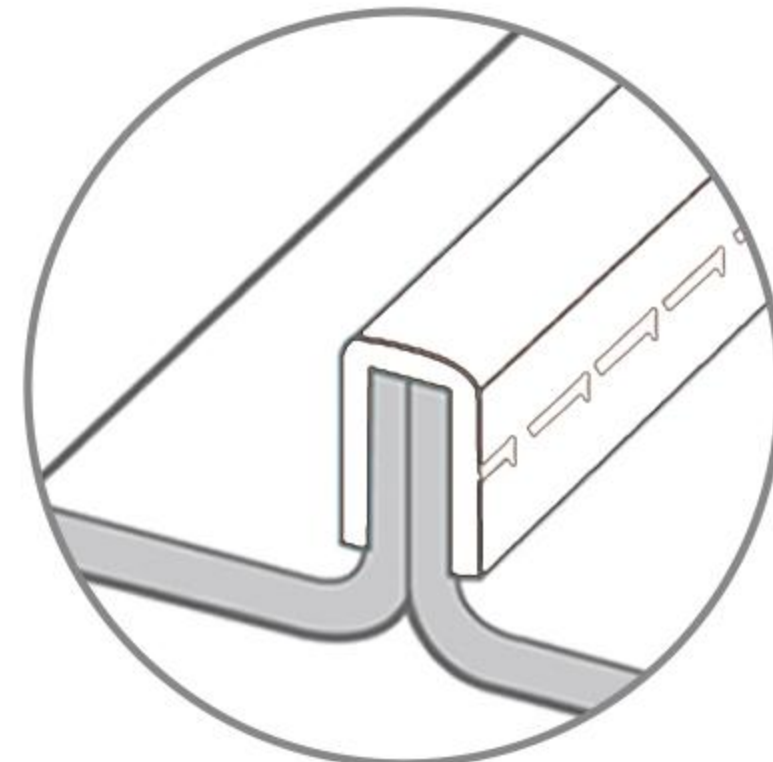
Style P3  
Coverall With Hood

## ▼ Product characteristics

- Clean room environment production.
- Suitable for ISO 7 and GMP C grade clean areas.
- Made of microporous breathable film polypropylene non-woven fabric, has excellent anti-liquid spraying effect.
- Highly active drug application.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing, elastic cuffs and ankles, thumb ring design.
- Two pull rings are exposed at the waist, which is easy to wear aseptically, and there is an eye-catching blue indicator line.
- Gamma ray sterilization, sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 6 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



■ Microporous breathable film



■ Bound sewing



■ Wearing indicator lines



■ Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K7 Sterile Cleanroom Coverall	P3 Coverall With Hood And Boots	S	K7P3S	1pc/double-layer bag, 25 pcs/carton
		M	K7P3M	
		L	K7P3L	
		XL	K7P3XL	
		XXL	K7P32XL	
		XXXL	K7P33XL	

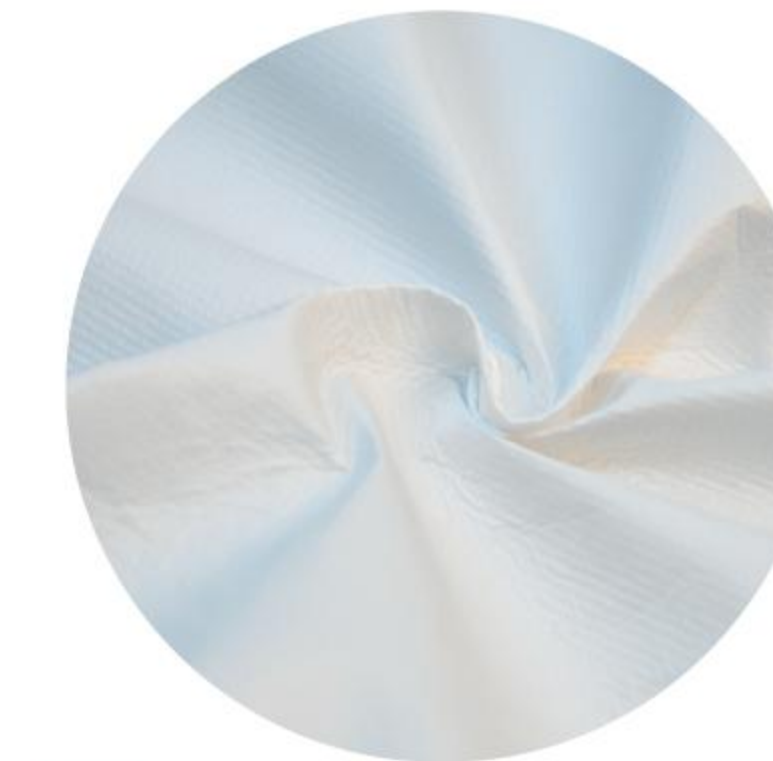
# K7 Sterile Cleanroom Coverall



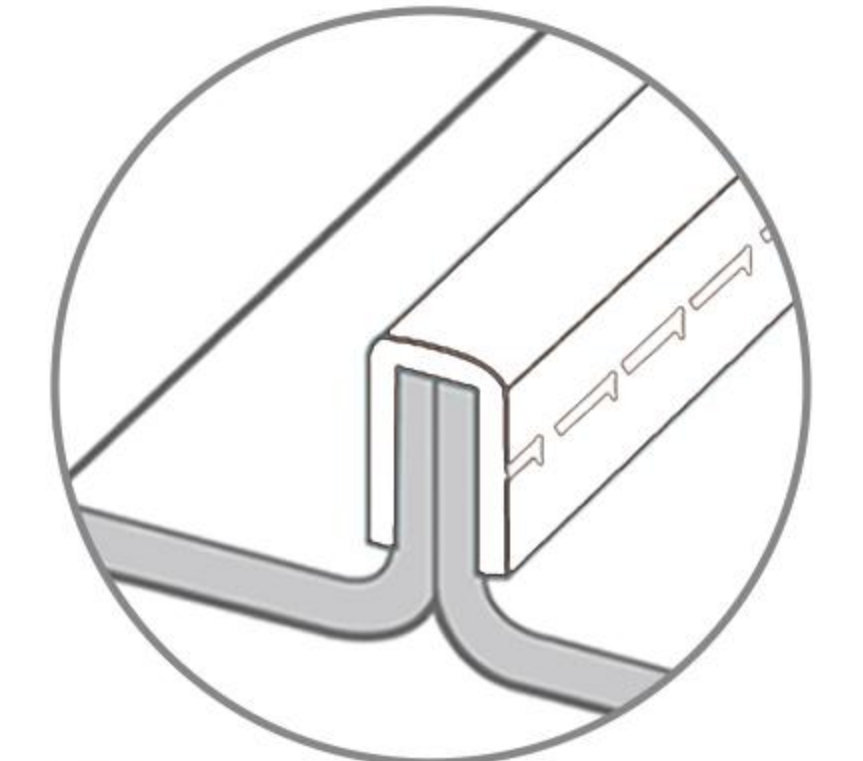
Style P4 -Coverall With Hood And Boots

## ▼ Product characteristics

- Clean room environment production.
- Suitable for ISO 7 and GMP C grade clean areas.
- Made of microporous breathable film polypropylene non-woven fabric, has excellent anti-liquid spraying effect.
- Highly active drug application.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing, elastic cuffs and ankles, thumb ring design, Non-slip sole.
- Two pull rings are exposed at the waist, which is easy to wear aseptically, and there is an eye-catching blue indicator line.
- Gamma ray sterilization, sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 6 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



■ Microporous breathable film



■ Bound sewing



■ Wearing indicator lines



■ Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K7 Sterile Cleanroom Coverall	P4 Coverall With Hood And Boots	S	K7P4S	1pc/double-layer bag, 25 pcs/carton
		M	K7P4M	
		L	K7P4L	
		XL	K7P4XL	
		XXL	K7P42XL	
		XXXL	K7P43XL	

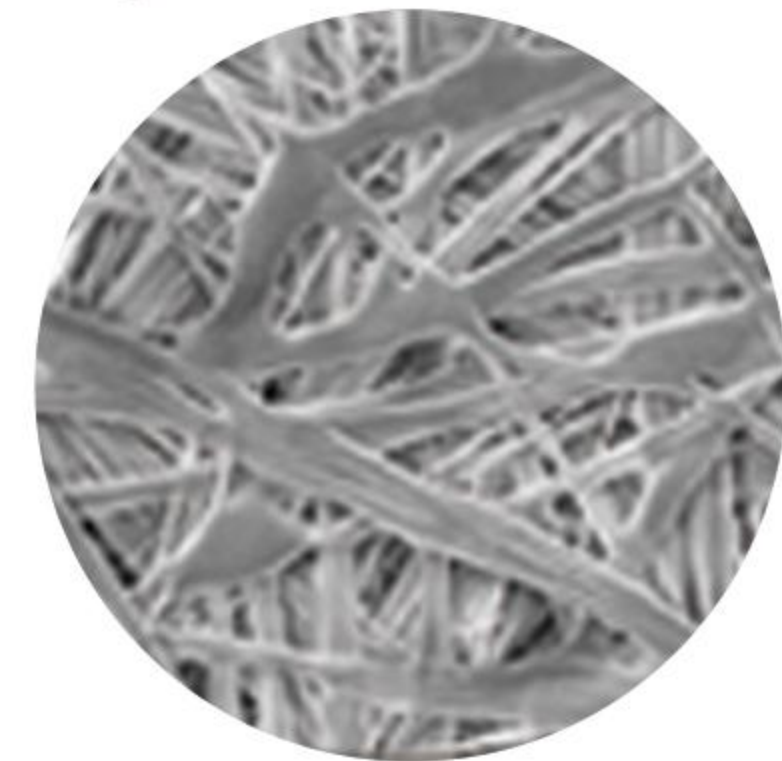
# K5 Sterile Cleanroom Coverall



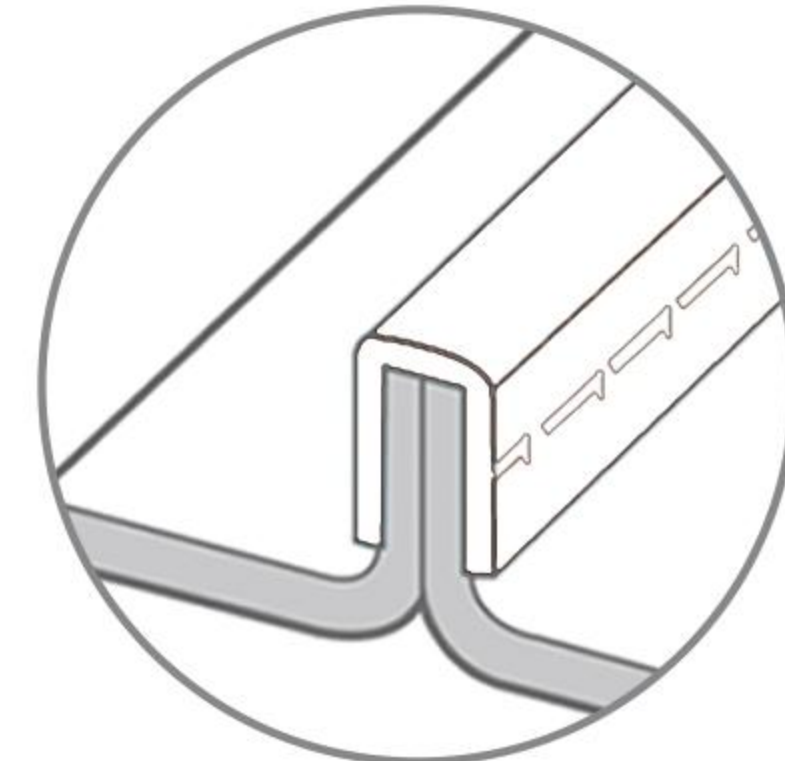
Style F2 Coverall Without Hood And Boots

## Product characteristics

- Cleanroom environment production, 100% quality inspection.
- Suitable for ISO5/6 and GMP A/B grade clean areas and controlled environments.
- Made of **Spolek™** flash spinning polyethylene fabric, lightweight, high strength, and tear resistance.
- Highly active drug application.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing effectively prevents particle penetration, elastic wrists and ankles, with thumb loops at the cuffs
- Two pull rings are exposed at the waist, which is easy to wear aseptically, and there is an eye-catching blue indicator line.
- Gamma ray sterilization, sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 5 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



Spolek™ fabric



Bound sewing



Wearing indicator lines



Thumb ring

# K5 Sterile cleanroom coverall accessories

## K5 Sterile Cleanroom Hood



Style FH-Hood

## K5 Sterile Cleanroom Boot Cover



Style FB Non Slip Boot Cover



Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Coverall	F2 Coverall Without Hood And Boots	S	K5F2S	1pc/double-layer bag, 25 pcs/carton
		M	K5F2M	
		L	K5F2L	
		XL	K5F2XL	
		2XL	K5F22XL	
		3XL	K5F23XL	

Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Hood	FH Hood	F	K5FHF	1pair/double-layer bag, 100pairs/cartom
K5 Sterile Cleanroom Boot Cover	FB Non Slip Boot Cover		K5FBF	

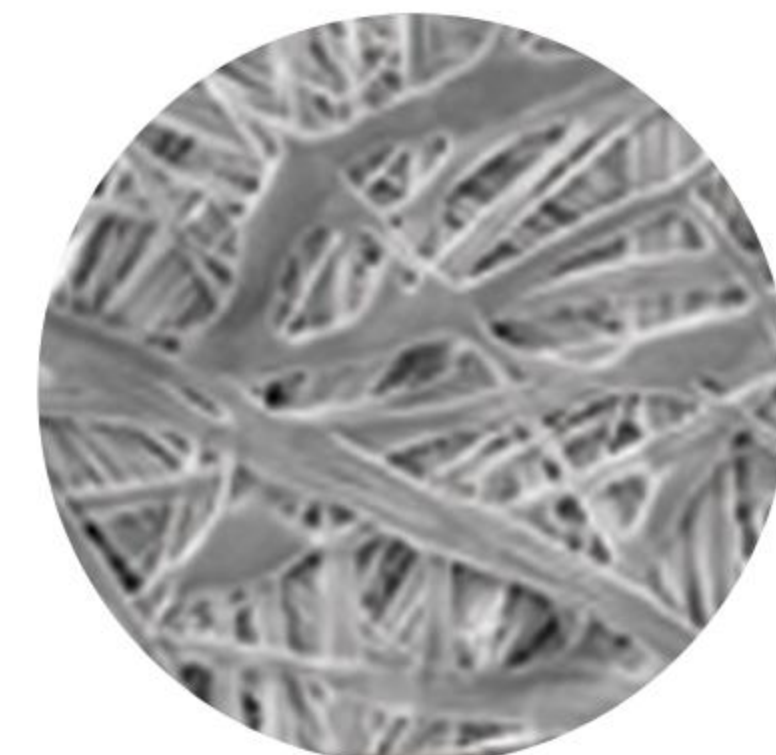
# K5 Sterile Cleanroom Coverall



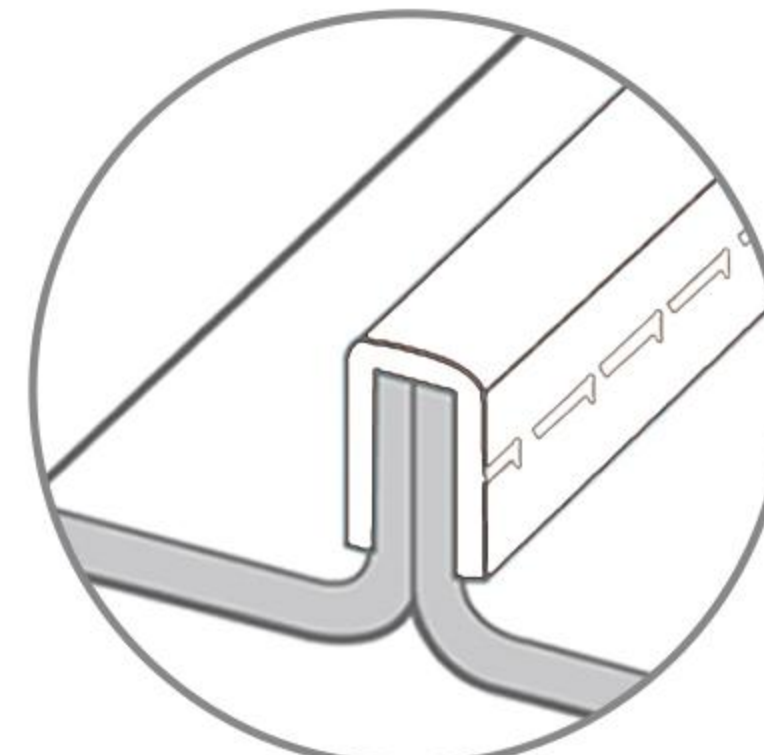
Style F4 Coverall With Hood And Boots

## ▼ Product characteristics

- Cleanroom environment production, 100% quality inspection.
- Suitable for ISO5/6 and GMP A/B grade clean areas and controlled environments.
- Made of *Spolek*™ flash spinning polyethylene fabric, lightweight, high strength, and tear resistance.
- High air permeability and comfortable wearing.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing effectively prevents particle penetration, elastic wrists and ankles, with thumb loops at the cuffs and non-slip soles.
- Two exposed loops at the waist make it easy for aseptic dressing, and there are conspicuous blue indicator lines for guidance.
- Sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 5 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



Spolek™ fabric



Bound sewing



Wearing indicator lines



Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Coverall	F4 Coverall Without Hood And Boots	S	K5F4S	1pc/double-layer bag, 25 pcs/carton
		M	K5F4M	
		L	K5F4L	
		XL	K5F4XL	
		XXL	K5F42XL	
		XXXL	K5F43XL	

# K5 Sterile Cleanroom Coverall



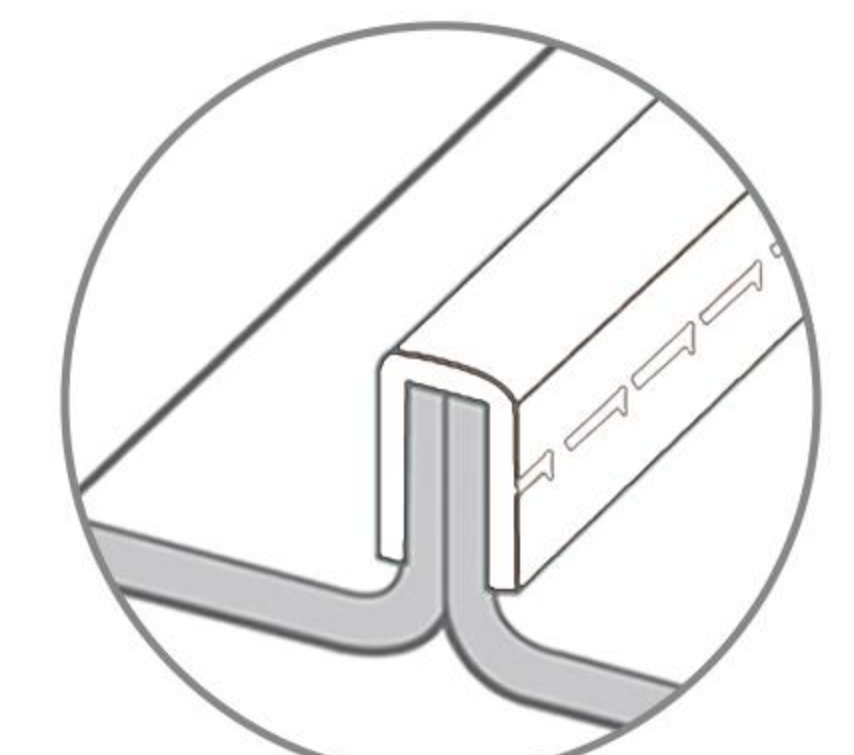
Style M4 Coverall With Hood And Boots

## ▼ Product characteristics

- Cleanroom environment production, 100% quality inspection.
- Suitable for ISO5/6 and GMP A/B grade clean areas and controlled environments.
- Made of SMS polypropylene fabric, lightweight, high strength, and tear resistance.
- High air permeability and comfortable wearing.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing effectively prevents particle penetration, elastic wrists and ankles, with thumb loops at the cuffs and non-slip soles.
- Two exposed loops at the waist make it easy for aseptic dressing, and there are conspicuous blue indicator lines for guidance.
- Sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 5 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



SMS fabric



Bound sewing



Wearing indicator lines



Thumb ring

Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Coverall	M4 Coverall Without Hood And Boots	S	K5M4S	1pc/double-layer bag, 25 pcs/carton
		M	K5M4M	
		L	K5M4L	
		XL	K5M4XL	
		XXL	K5M42XL	
		XXXL	K5M43XL	

# K5 Sterile Cleanroom Coverall

# K5 Sterile cleanroom coverall accessories



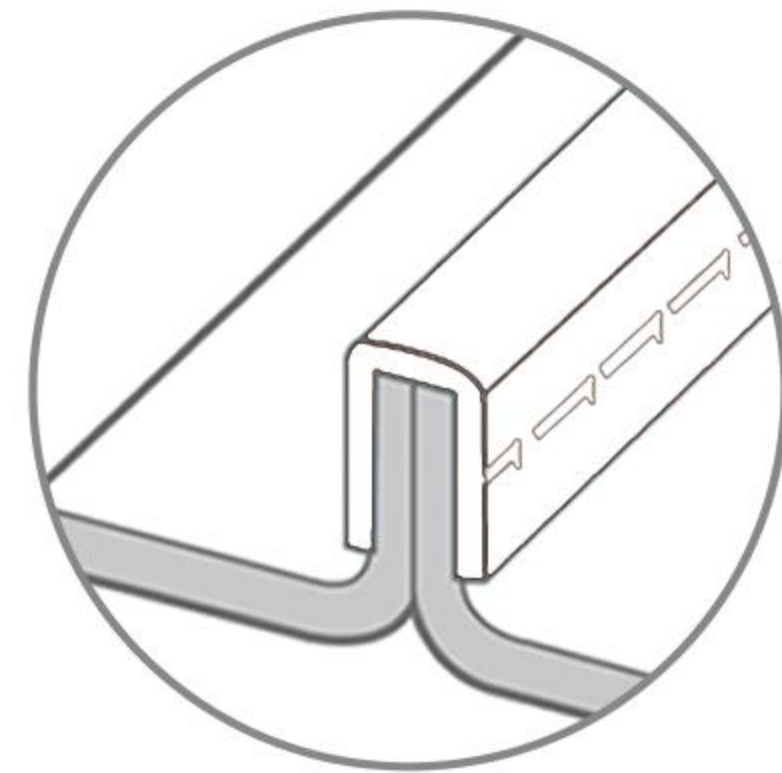
Style M2 Coverall Without Hood And Boots

### Product characteristics

- Cleanroom environment production, 100% quality inspection.
- Suitable for ISO5/6 and GMP A/B grade clean areas and controlled environments.
- Made of SMS polypropylene fabric, lightweight, high strength, and tear resistance.
- Highly active drug application.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing effectively prevents particle penetration, elastic wrists and ankles, with thumb loops at the cuffs
- Two pull rings are exposed at the waist, which is easy to wear aseptically, and there is an eye-catching blue indicator line.
- Gamma ray sterilization, sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 5 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



SMS fabric



Bound sewing



Wearing indicator lines



Thumb ring

### K5 Sterile Cleanroom Hood



Style MH - Hood

### K5 Sterile Cleanroom Boot Cover



Style MB Non Slip Boot Cover



Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Coverall	M2 Coverall Without Hood And Boots	S	K5M2S	1pc/double-layer bag, 25 pcs/carton
		M	K5M2M	
		L	K5M2L	
		XL	K5M2XL	
		XXL	K5M22XL	
		XXXL	K5M23XL	

Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Hood	MH Hood	F	K5MHF	1pair/double-layer bag, 100pairs/cartom
K5 Sterile Cleanroom Boot Cover	MB Non Slip Boot Cover		K5MBF	

# K5 Sterile Cleanroom Oversleeves Plus

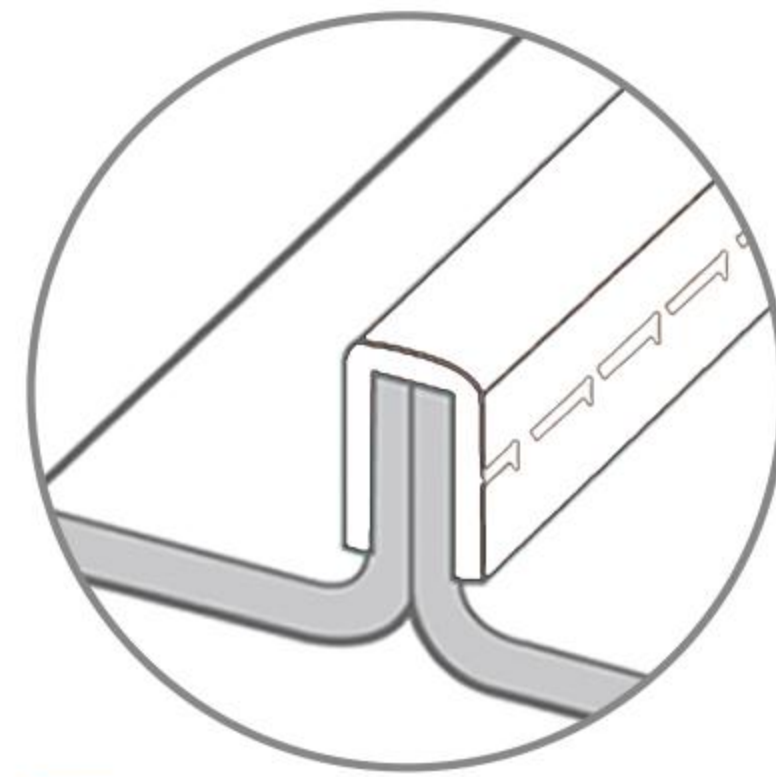
## ▼ Product characteristics



- Cleanroom environment production, 100% quality inspection.
- Suitable for ISO5/6 and GMP A/B grade clean areas and controlled environments.
- Made of double-sided coated fabric, which is suitable for the protection operation of the isolator and effectively protects the penetration of liquid.
- Low particle shedding, pass the antistatic test, the surface resistance value  $\leq 2.5 \times 10^9 \Omega$ .
- Reinforced bound sewing effectively blocks the penetration of particulate.
- Sterility assurance level SAL10<sup>-6</sup>.
- Packaging environment meets ISO 5 cleanliness standard.
- Double-layer clean packaging, meet the GMP wearing standards.



Double-side coating material



Bound sewing



Elastic design

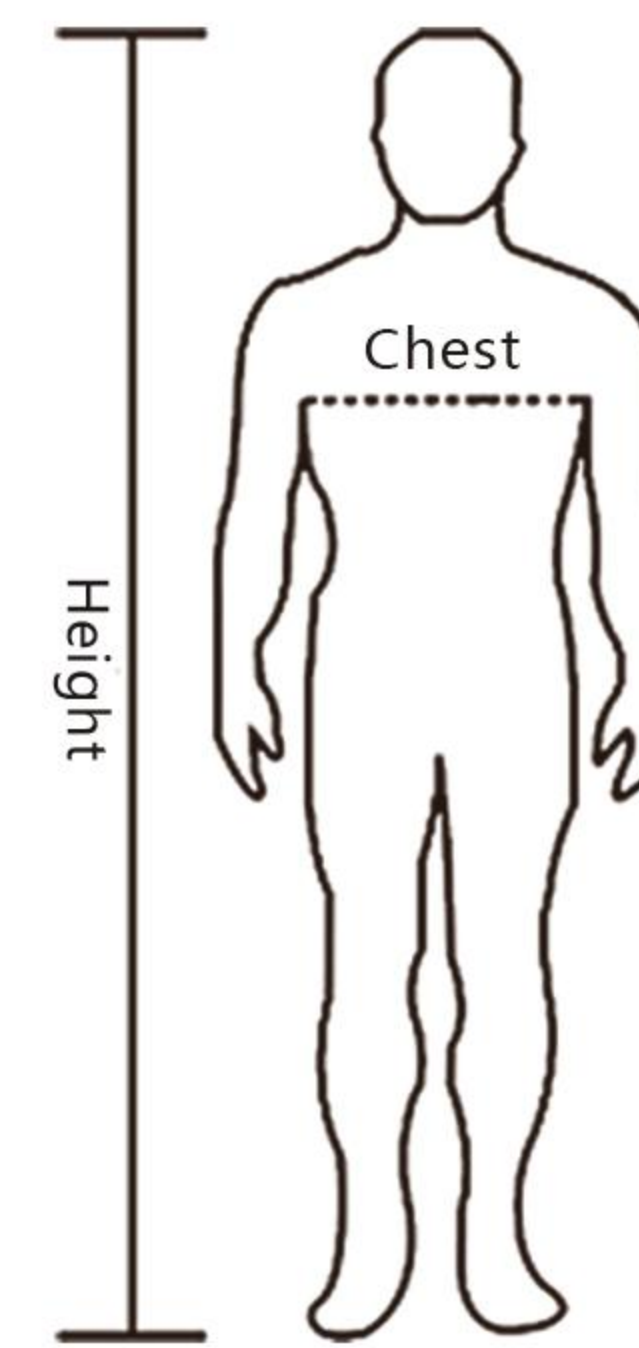


Thumb ring

Style PO-Oversleeves

Product Name	Style	Size	SKU NO.	Packing
K5 Sterile Cleanroom Oversleeves Plus	Oversleeves	F	K5P0F	1pair/double-layer bag, 100pairs/cartom

## Size Chart



Size	Height	Chest
S	160-165cm	120-124cm
M	165-170cm	124-128cm
L	170-175cm	128-132cm
XL	175-180cm	132-136cm
XXL	180-185cm	136-140cm
XXXL	185-190cm	140-144cm
XXXXL	190-195cm	144-148cm
XXXXXL	195-200cm	148-152cm



## Sterile Cleanroom Coverall Donning Process

Follow aseptic operation standards during the donning process, avoid touching the outer surface of the cleanroom coverall, avoid touching the ground or work surfaces.



**1** Check the package integrity of the cleanroom coverall.

**2** Open the outer package of the cleanroom coverall.

**3** Open the inner package of the cleanroom coverall.



**4** Grab the inside of the cleanroom coverall, carefully take out the cleanroom coverall, grab the pull rings at both ends of the blue indicator line, gently unfold the cleanroom coverall by pulling the rings. (avoiding the cleanroom coverall touching the ground during this process).



**5** Gently extend your legs into the leg parts one by one, and place your feet into the shoe covers.



**6** Insert your arms into the sleeves, leaving your hands exposed, and put the loops on your thumbs.



**7** Gently bend over, insert your hands into the inside of the cleanroom coverall, trace upwards to the position of the hood, and put on the hood.



**8** Cross your legs tightly, pull up the zipper, press the zipper down to lock it when it reaches the top.



**9** Rotate your body to check the coverall integrity. If any damage is found, replace it immediately.