

PROTECTIVE COVERALL

SINGER® 
safety

		PLY900	PLY600	PLY500	PLY450	PLYULTI	PLY56	PLYCBC	PLYCBCBLE
FIELD OF USE									
ENVIRONMENT									
FABRIC WEIGHT		70 g/m ²	65 g/m ²	55 g/m ²	65 g/m ² 55 g/m ²	65 g/m ²	55 g/m ²	35 g/m ²	35 g/m ²
MATERIAL TYPE									
SEAMS TYPE		 WATERPROOF OVERLOCKED + HEAT-SEALED	 WATERPROOF OVERLOCKED + HEAT-SEALED	 WATERPROOF OVERLOCKED + HEAT-SEALED	 OVERLOCKED	 OVERLOCKED	 OVERLOCKED	 OVERLOCKED	 OVERLOCKED
AVAILABLE SIZES		L ▶ 3XL	L ▶ 2XL	L ▶ 3XL	L ▶ 3XL	L ▶ 3XL	M ▶ 3XL	L ▶ 2XL	L ▶ 2XL
	LIQUID-TIGHT PROTECTION EN 14605 : TYPE 3	 TYPE 3-B							
	SPRAY-TIGHT PROTECTION EN 14605 : TYPE 4	 TYPE 4-B	 TYPE 4-B						
	SOLID PARTICLE-TIGHT PROTECTION EN ISO 13982-1 : TYPE 5	 TYPE 5-B	 TYPE 5-B	 TYPE 5	 TYPE 5	 TYPE 5-B	 TYPE 5		
	LIMITED PROTECTION AGAINST LIQUID CHEMICALS EN 14605 : TYPE 6	 TYPE 6-B	 TYPE 6-B	 TYPE 6	 TYPE 6	 TYPE 6-B	 TYPE 6		
PROTECTION AGAINST INFECTIOUS AGENTS EN 14126									
ANTISTATIC PROPERTIES EN 1149-5									
PROTECTION AGAINST RADIOACTIVE CONTAMINATION EN 1073-2		 CLASS 2	 CLASS 1	 CLASS 1	 CLASS 1	 CLASS 1	 CLASS 1		

MATERIAL GUIDE

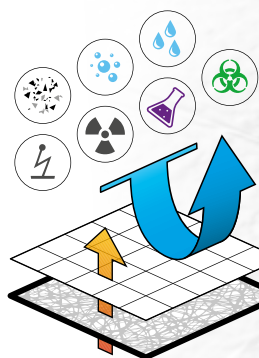


MICROPOROUS, WATERPROOF FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles, liquid sprays, liquid jets, infectious agents, and radioactive contamination, while also being antistatic.

POLYETHYLENE WATERPROOFING MEMBRANE

«SPUNBOND» POLYPROPYLENE (S)



MICROPOROUS FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles, liquid sprays, infectious agents, and radioactive contamination, while also being antistatic and mildly breathable.

POLYETHYLENE BREATHABLE MEMBRANE

«SPUNBOND» POLYPROPYLENE (S)



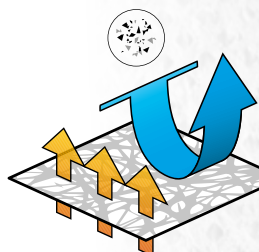
SMS FILM.

This material protects the user from chemical hazards. It blocks solid and liquid particles, as well as radioactive contamination, while also being antistatic and highly breathable.

«SPUNBOND» POLYPROPYLENE (S)

«MELTBLOWN» POLYPROPYLENE (M)

«SPUNBOND» POLYPROPYLENE (S)



POLYPROPYLENE FILM.

This material protects the user from minor hazards. It blocks solid particles while being highly breathable and ultra-lightweight.

«SPUNBOND» POLYPROPYLENE (S)

DID YOU KNOW ?

Nonwoven fabric is neither a knit nor a textile; it is a web made of randomly or directionally arranged fibers or filaments. It can be made from polypropylene and/or polyethylene, offering numerous advantages such as lightness, thinness, flexibility, and strength.

Depending on the manufacturing process, different types of fabrics with specific properties can be created. The **Spunbond (S) fabric**, made through extrusion-spinning, has thicker fibers that provide mechanical strength and structural stability. The **Meltblown (M) fabric**, made through extrusion-blown technology, has much finer fibers that allow for high filtration and capture of fine particles.

By merging multiple layers of fabric, various films such as microporous or SMS films can be created.

The **microporous film** consists of a polyethylene membrane laminated onto a Spunbond fabric. It has tiny pores that allow the selective passage of substances like air or sweat while blocking larger particles or liquids.

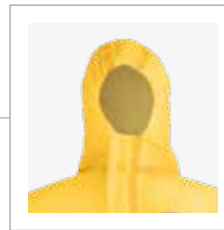
The **SMS film** is composed of three layers: Spunbond / Meltblown / Spunbond. This material combines the benefits of both fabrics: the mechanical strength and stability of Spunbond with the high filtration capability of Meltblown.

Singer® Safety is committed to designing a full range of high-quality, meticulously manufactured protective equipment. Each of our protective suits undergoes rigorous testing in compliance with current standards to ensure their durability and compliance.

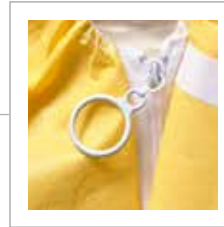
Even when certified according to a specific standard, it's important to note that no garment offers indefinite protection against all chemicals or infectious agents. Therefore, it is crucial to carefully read the instructions provided with each product to understand the exposure limits and the list of substances against which the garment offers protection, as well as the achieved levels. Prior to use, a thorough risk assessment and workplace study should be conducted to select the appropriate product. The suits must be used in conjunction with other compatible and properly fitted equipment (gloves, over-shoes, respiratory masks, etc.) to ensure complete protection.



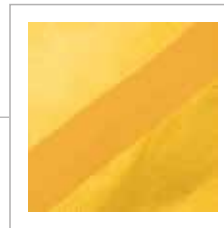
POLY 9000



Hood :
Elastic tightening,
3 panels.



Closure :
Zip fastening
with a wide loop.
Self-adhesive flap.



Seams :
Sealed with
heat-seal tape.



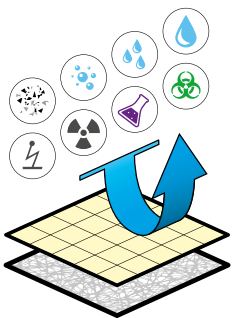
Wrists / Ankles :
Elastic tightening.
Thumb loops.



Waist :
Elastic tightening
at the lower back.



Material :
100% polypropylene,
with polyethylene
membrane.
Nonwoven, 70 gsm.



EN 14605	EN 14605	EN ISO 13982-1	EN 13034	EN 1073-2	EN 14126	EN 1149-5
TYPE 3-B	TYPE 4-B	TYPE 5-B	TYPE 6-B	CLASS 2		



L ► 3XL

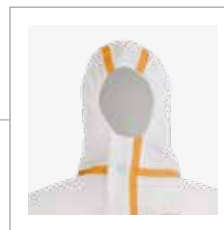


HANGING INDIVIDUAL
POLYBAG

SINGER®



PLY6000



Hood :
Elastic tightening,
3 panels.



Closure :
Zip fastening.
Self-adhesive flap.



Seams :
Sealed with
heat-seal tape.



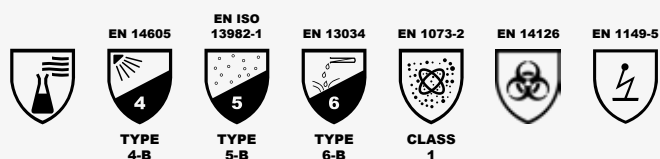
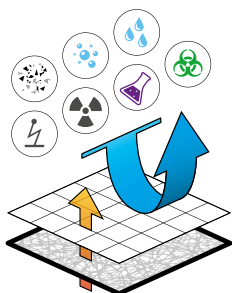
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



Material :
58% polypropylene,
42% polyethylene.
Microporous, 65 gsm.



L ▶ 2XL

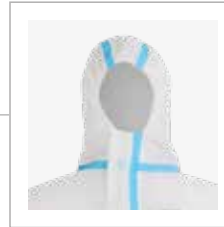


**HANGING INDIVIDUAL
POLYBAG**

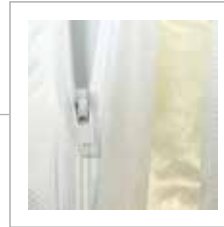
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PLY500



Hood :
Elastic tightening,
3 panels.



Closure :
Zip fastening.
Self-adhesive flap.



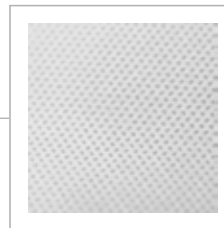
Seams :
Sealed with
heat-seal tape.



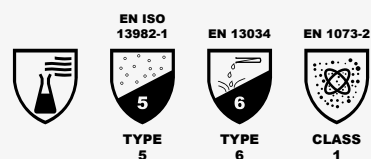
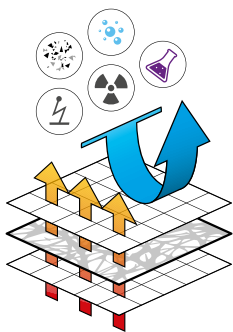
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



Material :
100% polypropylene.
SMS nonwoven, 55 gsm.



L ▶ 3XL

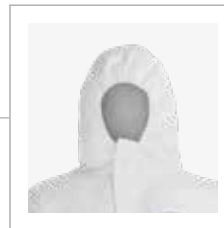


HANGING INDIVIDUAL
POLYBAG

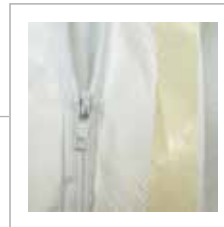
SINGER®



PLY 450



Hood :
Elastic tightening,
3 panels.



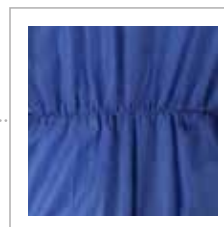
Closure :
Zip fastening.
Self-adhesive flap.



Seams :
Overlocked.



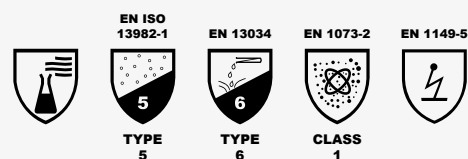
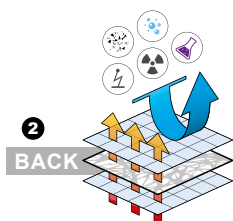
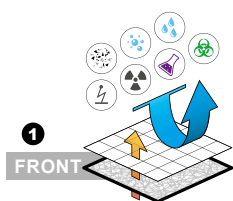
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



Material :
① 58% polypropylene,
42% polyethylene.
Microporous, 65 gsm.
② 100% polypropylene.
SMS nonwoven, 55 gsm.



L ► 3XL



HANGING INDIVIDUAL
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Hood :
Elastic tightening,
3 panels.



Closure :
Zip fastening.
Self-adhesive flap.



Seams :
Overlocked.



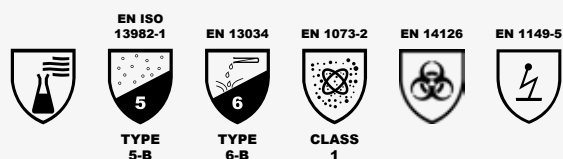
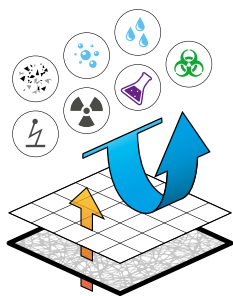
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



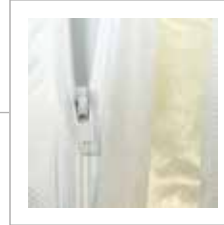
Material :
Polypropylene,
with polyethylene
membrane.
Microporous, 65 gsm.



PLY 56



Hood :
Elastic tightening,
3 panels.



Closure :
Zip fastening.
Self-adhesive flap.



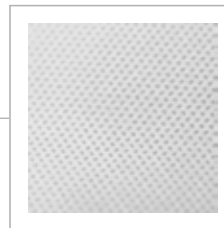
Seams :
Overlocked.



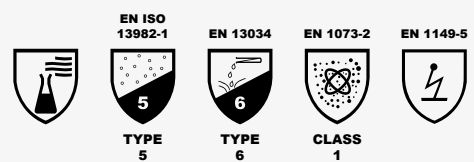
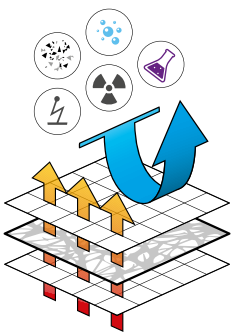
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



Material :
100% polypropylene.
SMS nonwoven, 55 gsm.



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PLYCBC



Hood :
Elastic tightening.
2 panels.



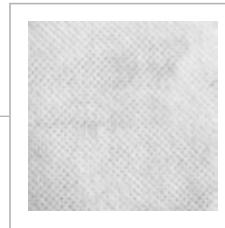
Closure :
Zip fastening.



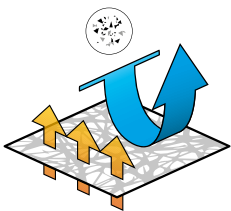
Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



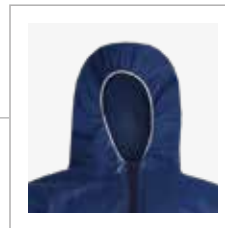
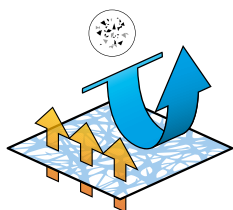
Material :
100% polypropylene.
Nonwoven, 35 gsm.



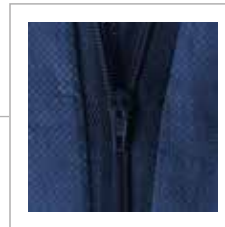
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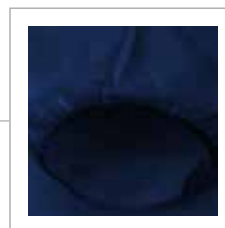
PLYCBCBLE



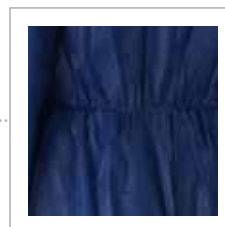
Hood :
Elastic tightening.
2 panels.



Closure :
Zip fastening.



Wrists / Ankles :
Elastic tightening.



Waist :
Elastic tightening
at the lower back.



Material :
100% polypropylene.
Nonwoven, 35 gsm.



L ► 2XL

SINGER 



SINGER FRÈRES SAS

PORT 4101

59279 LOON PLAGE, FRANCE

TEL: 33 (0)3 28 28 29 00

E-MAIL: SINGER@SINGER.FR