

Annex 1 revision— Contamination risk factors

Advantages of DuPont™ Tyvek® IsoClean®
single-use garments over reusable garments



Manufacturing of the garments

For Tyvek® IsoClean®, the production of raw materials is well controlled by DuPont as the sole manufacturer. For reusable garments, the risk of garment failure varies considerably across multiple manufacturers within that supply chain.



Washing & sterilizing the garments

Tyvek® IsoClean® garments are only washed and sterilized prior to wearing, so there is no risk of ineffective washing or sterilizing of a garment that has already been worn. Reusable garments are washed and sterilized many times over their lifetime, increasing the risk of contamination.



Packaging & transport of the garments

Tyvek® IsoClean® garments are packaged in a pouch with a five-year shelf life, then in double poly case liners, and finally in a single-use sealed box, significantly reducing the risk of contamination. Most reusable garments are packed in a bag with a six-month shelf life and then in a reusable crate.



Repairing damaged garments

Tyvek® IsoClean® garments are only worn once, so there is no risk of inadequately repairing damaged garments. Inadequate repairs on reusable garments can lead to holes and increased permeability. Requalifying repaired garments can also be expensive and disruptive.



Working in the cleanroom

Reusable polyester garments have a higher risk of contamination in the cleanroom due to their high permeability. Additionally, the frequent washing and sterilization of reusable garments leads to damaged fabric and larger pores, thereby increasing the release of particles and fibers into the environment. Tyvek® IsoClean® provides a consistent barrier against dry particles and microorganisms, delivering the ideal balance of protection, durability and comfort.

DuPont™ Tyvek® IsoClean®

Sterile single-use garment & accessory options*

Coverall

- IC253BWHXX0025CS
SM-7X
- IC253BWHXX0025OS
SM-5X

Bound seams
Bound neck
Dolman sleeve
Zipper closure
Elastic wrists
Elastic ankles
25/cs



Frock

- IC264SWHXX0030CS

Serged seams
Bound neck
Raglan sleeve
Zipper closure
Elastic wrists
A-line
30/cs
SM-4X



Sleeves

- IC501BWH000100CS
- IC501BWH000100OS

Bound seams
Elastic openings
18" length
100/cs
Universal sizing (00)



Coverall

- IC105SWHXX0025CS

Serged seams
Standard hood
Elastic hood opening
Set sleeve
Zipper closure
Elastic wrists
Elastic ankles
Attached thumb loops
Attached boots with PVC soles
25/cs
MD-5X



Bouffant

- IC729SWH000250CS

Serged seams
Elastic headband
21.5" diameter
250/cs
Universal sizing (00)



Boot cover

- IC447SWHXX0100CS

Serged seams
Elastic openings
Elastic ankles
Gripper™ sole
18" high
100/cs
SM-2X



Coverall

- IC108SWHXX0025TS

Serged seams
Respirator fit hood¹
Elastic hood opening
Set sleeve
Zipper closure
Elastic wrists
Elastic ankles
Attached thumb loops
Attached boots with PVC soles
Double-bagged
25/cs
SM-6X



Hood/mask

- IC669BWH000100OS

Integrated hood/mask combination
Bound seams
Bound hood opening
Ties with loops for fit
White hood
Blue face mask
Pleated polyethylene outer
7" wide mask
Individually packaged
100/cs
Universal sizing (00)



Boot cover

- IC457SWHXX0100OS

Serged seams
Covered elastic openings
Ties at ankles
PVC sole
18" high
100/cs
SM-XL



Frock

- IC270BWHXX0030CS

Bound seams
Bound neck
Set sleeve
Snap closure
(6 + 1 adjustable)
Elastic wrists
30/cs
SM-4X



Hood

- IC668BWH000100CS

Bound seams
Full face opening
Bound hood opening
Ties with loops for fit
100/cs
Universal sizing (00)



Boot cover

- IC458BWHXX0100CS

Bound seams
Covered elastic openings
Ties at ankles
Gripper™ sole
18" high
100/cs
SM-XL



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Part numbers ending in:
"CS" are clean-processed and sterile
"OS" are sterile
"TS" are sterile and double-bagged

¹**Respirator fit** hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. **Standard hoods** only extend to the neck.

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