



TY454S WH

DuPont™ Tyvek®

FEATURES AND BENEFITS

Tyvek® garments are composed of flash spun high density polyethylene which creates a unique, nonwoven material available only from DuPont. Tyvek® provides an ideal balance of protection, durability and comfort of any limited use fabric technology. Tyvek® fabric offers an inherent barrier against particles (down to 1.0 micron in size). Protection is built into the fabric itself; there are no films or laminates to abrade or wear away. Tyvek® fabric's durability advantage over microporous film fabrics delivers consistently better barrier, even after wear and abrasion. Applications include: lead and asbestos abatement/remediation, general maintenance/operations, spray painting, general clean-up.

18" high boot cover with elastic top provides coverage up to calf
One size fits most

[See all Product Literature](#)



Product Description

DuPont™ Tyvek® Boot Cover with Tyvek® Sole. 18" High. Serged Seams. White.

Full Part Number: TY454SWHxx0100yy (xx=size; yy=option code)

Fabric: Tyvek®
Style: Boot Cover
Seam: Serged
Color: White
Sizes: 00

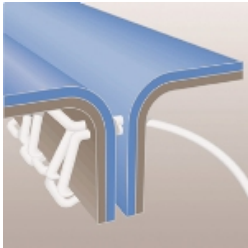
Case Count: 100 per case

Option Codes: 00

[Product Terms of Use and Warranty \(PDF\)](#)



Line Drawing



Serged Seam



Tyvek® Sole Material

PRODUCT DETAILS

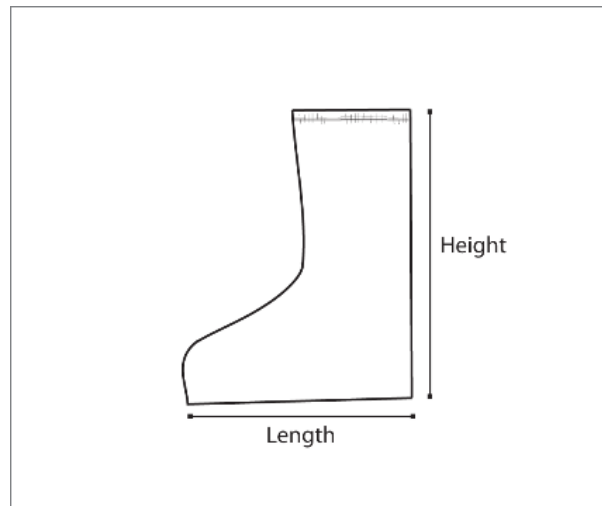
Available Options

Option Code	Description	Available Sizes	Part Number
00	Standard	00	TY454SWHxx010000

Finished Dimensions

Typical Finished Dimensions

Size	Boot Length	Boot Height	Men's Shoe	Women's Shoe
00	16	18	19	21



Specifications

1. The garment shall be constructed of DuPont™ Tyvek® -- a patented flash-spun polyethylene fabric.
2. The garment shall be white in color.

3. The garment shall be a boot cover design.
4. The garment shall have serged seams.
5. The garment shall have an elastic ankle and elastic opening.
6. The garment shall have a Tyvek® upper.
7. The garment shall have soles made of Tyvek® FC skid-resistant material..
8. The garment shall be 18" high.


Additional Equipment Needed

- Wear other appropriate PPE such as, but not limited to, respiratory, eye, head, hand, and foot protection based on the hazard assessment.
- This garment only provides partial body coverage. It may be worn in combination with other chemical resistant PPE as required based on the hazard assessment.

FABRIC DATA

Physical Properties - Typical Values

Tyvek® - Fabric Data

Property	Test Method	Result
Thickness	ASTM D1777	5.7 mils
Basis Weight	ASTM D3776	1.2 oz/yd ₂
Burst Strength - Mullen	ASTM D774	48 psi
Tear Resistance - Trap Tear (MD)	ASTM D5733	5 lbf
Tear Resistance - Trap Tear (CD)	ASTM D5733	7 lbf
Breaking Strength - Grab (MD)	ASTM D5034	18 lbf/in
Breaking Strength - Grab (CD)	ASTM D5034	24 lbf/in
Hydrostatic Head	AATCC 127	40 inches H ₂ O
Surface Resistivity (25°C / 55% RH)	ASTM D257	< 6.3 x 10 ⁹ ohms/square
Wearing Apparel Flammability	16 CFR 1610 	Class 1

*Typical values, not specifications.

Chemical Resistance Data



Tyvek® - Fabric Data

Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time (average, normalized to 0.1 ug/cm ₂ /min) / Performance
Animal Waste (non-hazardous; solid)	unknown	Solid	May be Suitable for Use
Asbestos (all forms)	1332-21-4	Solid	May be Suitable for Use
Beryllium	7440-41-7	Solid	May be Suitable for Use
Biological fluids w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Blood	unknown	Liquid	May be Suitable for Use
Blood w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Bodily fluids	unknown	Liquid	May be Suitable for Use
Bodily fluids w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Crude oil on wildlife	mixture	Liquid	May be Suitable for Use
Dirt (general)	unknown	Solid	May be Suitable for Use
Feces (solid)	unknown	Solid	May be Suitable for Use
Fertilizer (general; solid form)	unknown	Solid	May be Suitable for Use
Fiberglass	unknown	Solid	May be Suitable for Use
Fungicide (general; solid form)	unknown	Solid	May be Suitable for Use
Grease (general)	unknown	Liquid	May be Suitable for Use
Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use
Herbicide (general; solid form)	unknown	Solid	May be Suitable for Use
Insecticide (general; solid form)	unknown	Solid	May be Suitable for Use
Lead	7439-92-1	Solid	May be Suitable for Use
Lime	mixture	Solid	May be Suitable for Use
Mold spores	unknown	Solid	May be Suitable for Use
Non-Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use

Pesticide (general; solid form)	unknown	Solid	May be Suitable for Use
Radioactive particles	unknown	Solid	May be Suitable for Use
Sewage	unknown	Liquid	May be Suitable for Use
Tar balls	unknown	Solid	May be Suitable for Use

Special Warnings

- *Serged and bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.
- *Liquid barrier performance varies based on the amount of liquid that may get on the garment, the length of time the liquid is on the garment, applied pressure and certain physical properties of the liquid. Tyvek®, Tyvek® Dual, ProShield®, ProShield® Basic, ProShield® NexGen®, Tyvek® FC, and ProShield® 3 garments are not appropriate if during use they are getting wet (liquid is dripping or running, or it is wet to the touch) or if spotting is observed on skin or garments worn under the protective garment. Tyvek® Xpert and Tyvek® Plus offer improved liquid barrier, but may not be appropriate if spotting is observed on the skin or garments worn under the protective garment. In applications where a higher liquid barrier is needed, consider Tychem® QC and Tychem® SL garments with taped seams.
- Tyvek® Plus and Tyvek® Xpert fabric have different fabric physical properties and improved chemical resistance properties than standard Tyvek® garments.
- *CAUTION: This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information. It is the user's responsibility to determine the nature and level of hazards and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact DuPont for specific data. These garments are intended for limited use and should be disposed of after single use. If fabric becomes torn, abraded or punctured, or if seams or closures fail, or if attached gloves, visors, etc are damaged, end user should discontinue use of garment to avoid potential exposure.

PRODUCT ACCESSORIES

FREQUENTLY ASKED QUESTIONS

- [How are Tyvek® garments different from other limited-use garments on the market?](#)
- [Are Tyvek® garments flame resistant or flame retardant \(FR\)?](#)
- [Are Tyvek® garments anti-static or static dissipative?](#)
- [Can these Tyvek® garments be worn in cleanroom applications?](#)
- [How should Tyvek® garments be stored?](#)
- [Is it possible to wash and re-use Tyvek® garments?](#)
- [What determines if the garment is contaminated?](#)
- [What is the shelf life of Tyvek® garments?](#)
- [In what ways can I dispose of Tyvek® garments?](#)
- [Can the materials in Tyvek® garments be recycled?](#)
- [In what ways can I manage or prevent heat stress?](#)
- [Where can I find a MSDS \(Material Safety Data Sheet\) for Tyvek® garments?](#)
- [Are Tyvek® garments latex free?](#)

1. How are Tyvek® garments different from other limited-use garments on the market?

Tyvek® garments are unique in several ways. First is the proprietary flash spun Tyvek® fabric which offers inherent breathable barrier that cannot easily be worn or abraded away. This inherent barrier of Tyvek® is not dependent on a thin film or a thin layer of small fibers -- with Tyvek®, every part of the fabric provides barrier. This delivers an effective breathable barrier to particles due to the torturous path created by this unique fabric structure. Additionally, Tyvek® garments are made with a comfort fit design that enables a greater range of movement while stretching and bending, improves mobility, provides a more tailored fit and is easier to put on and take off. Unlike microporous film garments, the breathability of Tyvek® garments can be easily demonstrated.

[Watch this video to see for yourself.](#)

> [top](#)

2. Are Tyvek® garments flame resistant or flame retardant (FR)?

No, Tyvek® garments are not flame resistant or flame retardant and should not be used around heat, flame, sparks or potentially flammable or explosive environments. Tyvek® garments will ignite and continue to burn and melt.