## < DUPONT >

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## **DuPont Personal Protection**

2024 Product catalog

OUPONTE

Tyvek.

**OUPONT** 

Tychem

Tyvek

voupon™ProShield.

## **Table of contents**

### Overview

- 3 Brand crossover intro
- Choosing a garment 6
- 8 Product part numbers
- 9 Product packaging
- 10 Permeation data
- Product line by hazard 12

## DuPont<sup>™</sup> ProShield<sup>®</sup> garments

- 14 ProShield® 6 SFR
- 15 ProShield® 10
- ProShield® 30 16
- 17 ProShield® 50
- 18 ProShield® 60
- 19 ProShield® 70

## DuPont<sup>™</sup> Tyvek<sup>®</sup> garments

- 20 Tyvek® 400 D
- Tyvek<sup>®</sup> 400 21
- Tyvek<sup>®</sup> 400 FC 23
- 24 Tyvek<sup>®</sup> 500 HV
- 25 Tyvek® 500
- 25 Tyvek<sup>®</sup> 600
- Tyvek® 800 26

## DuPont<sup>™</sup> Tychem<sup>®</sup> garments

- Tychem<sup>®</sup> 2000 SFR 27
- Tychem<sup>®</sup> 2000 28
- Tychem<sup>®</sup> 4000 30
- Tychem<sup>®</sup> 5000 32
- Tychem® 6000 36
- 38 Tychem<sup>®</sup> 6000 FR
- 40 Tychem<sup>®</sup> Responder<sup>®</sup> CSM
- Tychem<sup>®</sup> 10000 41
- 44 Sizing charts

## **Cleanroom garments**

- 46 DuPont Controlled Environments
- 48 Tyvek® IsoClean®
- 50 ProShield®30

## Recycling

51 Tyvek<sup>®</sup> protective apparel recycling program

## Chemical manufacturing

## DuPont<sup>™</sup> Kevlar<sup>®</sup>

56 Kevlar®

## DuPont<sup>™</sup> Nomex<sup>®</sup>

57 Nomex®

# One simple system



Original garment name

Original garment name

Original garment name

DuPont<sup>™</sup> Tempro<sup>®</sup>

ProShield® Basic

new garment

ProShield® 3

Tyvek® Dual

new garment

Tyvek<sup>®</sup> Xpert

Tyvek® Plus

new garment

new garment

Tychem<sup>®</sup> CPF 3

Tychem<sup>®</sup> ThermoPro

Tychem<sup>®</sup> RESPONDER<sup>®</sup> CSM

Tychem® QC

Tychem<sup>®</sup> SL

Tychem® F

Tychem® TK

Tvvek<sup>®</sup>

Tyvek®

DuPont<sup>™</sup> SureStep<sup>™</sup>

ProShield® NexGen®

PPE playbook 52-55

We've simplified our product identification system by replacing the original product names with an easy-to-follow numeric system. The higher the number, the greater the protection—it's that simple.

For example, Tychem<sup>®</sup> QC is now Tychem<sup>®</sup> 2000.

Tyvek<sup>®</sup> is now Tyvek<sup>®</sup> 400.

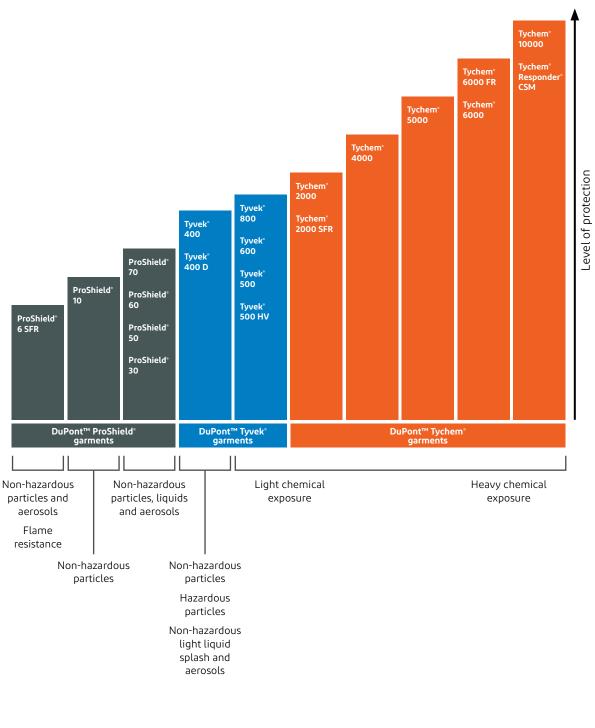


We've updated our SafeSPEC<sup>™</sup> selector tool to reflect the new product identification system.

Visit safespec.dupont.com to search by industry or hazard to help you select a garment.

chem





D = Dual FR = Flame-resistant SFR = Secondary flame-resistant

## Choosing a garment

Before searching for an appropriate chemical protective garment, you should assess the nature of the hazard and the working environment. Different factors including concentration, temperature and pressure must be matched to the garment's fabric, design and seam construction.

## Fabric

No matter what the brand or trade name, almost all limited-use protective apparel products can be classified into one of a few general fabric technologies. It is important to understand the performance attributes of the fabric being used for a given application. Why? Not all fabrics used in chemical protective garments are the same. From exclusive technologies such as DuPont<sup>™</sup> Tychem<sup>®</sup> and DuPont<sup>™</sup> Tyvek<sup>®</sup> to spunbond-meltblown-spunbond (SMS) and microporous film fabrics, DuPont offers a variety of fabrics with different levels of comfort, durability, breathability and protection to meet your specific needs.

In order to select the appropriate protective garment, it is crucial to know how well the fabric used in the garment provides a barrier to specific hazardous materials.

Testing for chemical protective fabrics can be divided into two primary categories:

1) penetration testing—appropriate for particle hazards

2) permeation testing—appropriate for liquid and gaseous hazards

Penetration occurs when there is bulk movement of a material through a pore, hole, gap or defect in the fabric and is the proper method to evaluate particle barrier. Permeation, on the other hand, occurs when there is movement of the material through the barrier fabric on a molecular level. It is possible for a liquid or vapor to permeate through a fabric even when there is no observed opening in the fabric. Permeation testing is a more sensitive and representative way of characterizing the interaction of liquids and gases with the barrier fabric. Permeation testing is critical for fabrics that are exposed to hazardous liquids, vapors or gases.

## Fabric technologies typically used in DuPont protective garments

All images are magnified.

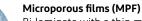
## **Exclusive DuPont technologies**



Tychem<sup>®</sup> Chemical barrier fabrics specifically engineered for protection over a range of hazards.



Tvvek Tyvek<sup>®</sup> is high-density polyethylene fibers entangled into a protective material with no fillers or thin films to wear away. Made only by DuPont, it offers superior protection and durability.





Bi-laminate with a thin microporous film layer on a spunbonded polypropylene nonwoven, these fabrics offer limited durability—barrier protection is lost when the film layer is abraded.

### Spunbond-meltblown-spunbond (SMS)

SMS fabrics rely on the meltblown polypropylene layer in the middle of the open tri-laminate polypropylene structure to act as the main filter for particles.

Spunbond polypropylene (SBPP) With their highly open structure, SBPP fabrics offer negligible barrier protection.

## **Choosing a garment**

### Seam construction

Seams are a critical component of the overall barrier protection provided by a chemical protective garment. It is vital to select the appropriate seam configuration for your application needs and to know that the garment will be constructed with strong, tight seams. One loose thread or gap and the barrier between you and your environment unravels—leaving you vulnerable.





Bound

A seam produced when three threads are interlocked around the raw edges of two pieces of material for a strong, stressresistant seam.

Tightly sewn with a reinforced outer binding to increase seam strength and barrier.

For potential misting exposure of non-hazardous liquids or particle penetration through the seam.





Double taped

Both sewn and taped to provide strong chemical resistance against heavy liquid splashes and tough seam stress.

Sewn, then taped on the inside and the outside of the seam for a very strong chemicaland stress-resistant seam.

A sewn seam is covered with a strip of compatible material by heat-sealing.

\*Serged and/or bound seams are degraded by some hazardous liquid chemicals. such as strong acids, and should not be worn when these chemicals are present



High visibility

Low visibility

High visibility can be either a help or a hindrance for emergency responders. For example, in hazardous situations, it is critical that emergency responders can be easily seen. In addition, hazardous material emergencies often occur in poorly lit environments-thus the need for high visibility.

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performance

fabric

ncreased

The high-visibility colors chosen for DuPont<sup>™</sup> Tychem<sup>®</sup> and DuPont<sup>™</sup> Tyvek<sup>®</sup> fabrics were based on extensive research. For example, the human eye is more sensitive to the lime yellow of Tychem<sup>®</sup> 10000, the safety yellow color of Tychem<sup>®</sup> 2000 fabrics and the bright orange fluorescent color of Tyvek® 500 HV. Silver gray retroreflective bands on Tyvek® 500 HV also enhance night visibility. On the other hand, there are instances when being visible is dangerous. When discretion is preferred—or required—special low-visibility fabrics, such as Tychem<sup>®</sup> 2000 SFR and Tychem<sup>®</sup> 5000, are harder to see and blend into a variety of environments.

## Garment style

DuPont offers a wide variety of garment styles—from hoods and shoe covers to aprons, coveralls and fully encapsulated suits.

Fully encapsulated suits are available with front or rear entry, with a flat back for airline accommodation or an expanded back for SCBA accommodation.

### Hoods



Standard

**Respirator fit** 

Elastomeric faceseal

In addition to our standard hood design, many of our garments offer a respirator fit hood. These hoods are designed with a longer zipper for complete coverage of the neck area.

## Faceshields



Standard



EX (extra-wide)

In addition to the standard faceshield, DuPont has several garment styles that offer a greater field of vision, enabling the wearer to see more of what they are dealing with, reducing missteps and allowing more natural movement and better eye contact.

The EX (extra-wide) faceshield options on Tychem<sup>®</sup> 10000 Level A garments feature a wraparound design that provides ample room for a mask-mounted regulator. This faceshield is wider and longer, providing expanded peripheral and vertical viewing.

dpp.dupont.com

## **Product part numbers**

To simplify ordering and inventory management, we developed a simple, logical and intuitive product part numbering system. Using only 16 characters, each part number comprises abbreviations that provide all the information you need.

### Additional product detail Base catalog number The remaining characters provide additional product The first six characters provide the basic representation of the product. detail and complete the full part number. WH 120 S LG 0025 $\mathbf{0}$ Fabric Style Seam Color Size Case count Options construction The first two Many DuPont The number Abbreviations characters are the garments are of garments Abbreviations such as fabric description. available in a range per case. of sizes; refer to S Serged or TV Trade Agreement Abbreviations catalog descriptions Act compliant sewn for details. DuPont<sup>™</sup> Tychem<sup>®</sup> B Bound VP Vend packed Abbreviations\* **TK** 10000 T Taped or Not all option codes are available double taped XS Extra small RC Responder® CSM for all products; See page 7 for SM Small TP 6000 FR refer to catalog details. descriptions MD Medium **TF** 6000 for details. LG Large **C3** 5000 See next page for XL Extra large **SL** 4000 abbreviations. 2X 2 Extra large **QC** 2000 DuPont offers a wide array of garment styles— 3X 3 Extra large **QS** 2000 SFR from hoods, aprons 4X 4 Extra large 99 Accessories and coveralls to fully encapsulated suits. 5X 5 Extra large DuPont<sup>™</sup> Tyvek<sup>®</sup> Each garment style has a 6X 6 Extra large **TJ** 800 unique three-digit code. 7X 7 Extra large **TY** 600 8X 8 Extra large **TY** 500 00 Universal TY 500 HV Several DuPont fabrics are available **TY** 400 in color options. **TD** 400 D Abbreviations FC 400 FC **BU** Blue DuPont<sup>™</sup> ProShield<sup>®</sup> GR Green **P3** 70 GY Gray \*Please refer to DuPont<sup>™</sup> SafeSPEC<sup>™</sup> for sizing NG 60 information and garment dimensions. Additional **HV** High-visibility orange sizing charts available on pages 44 and 45. **NB** 50 LY Lime yellow **PE** 30 OR Orange

**TN** Tan

WH White YL Yellow

## Product part numbers

LG 8.25" high shoe cover

NF USMCA/TAA compliant

NP Respirator fit hood and

storm flap

NS Non-skid material

PI Packaged individually

**RF** Respirator fit hood

**TV** Trade Agreement

Act compliant

XC X-pattern on back

SR Skid resistant

VP Vend packed

## Option code abbreviations

## **00** Standard offering

## **OB** Bulk pack

- 5C Viton<sup>™</sup> buty
- 5V Viton<sup>™</sup> buty
- **7C** MSA connector pass-thru CAMDS (#491335) right side
- **7M** MSA dual purpose w/Foster fitting 990060
- **7N** MSA quick fill w/Schrader fitting 990190
- **7R** MSA dual purpose #495670 Hansen fitting (left front waist)
- **7S** Scott<sup>®</sup> pass-thru #803620-01 **YU** Extra long Hansen fitting (right side)
- **7W** Interspiro pass-thru #33689006
- **BN** Berry Amendment compliant
- **CM** White & blue color
- G1 Reduced case quantity
- HL Hook-and-loop
- JF CPE sleeve cuff and jam fit glove insert
- LA DuPont<sup>™</sup> Tyvek<sup>®</sup> 500 standard

## Option codes for DuPont Controlled Environments garments\*:

- **CS** Clean-processed and sterile
- DS Clean-processed and sterile, double-bagged
- **0S** Sterile
- **TS** Sterile, double-bagged
- **OC** Clean-processed
- PI Packaged individually
- 00 Bulk
- **OB** Bulk

\*See pages 46-48 for DuPont Controlled Environments garments

**PB** 10

TM 6 SFR

## **Product packaging**

## Vend packed

Some garments are available for use in vending machines. These garments feature option code **VP**.



## New packaging

Our new packaging is labeled with the same stop sign shapes as the garments.



## Permeation data

			Mid-level	DuPont <sup>™</sup> Tyc	hem° garmer	nts		
roupport. Tychem			R			ŷ		
21 Industrial chemicals ASTM F1001 Original garment name	CAS #	Physical phase	Tychem <sup>®</sup> 2000 SFR New garment	Tychem <sup>®</sup> 2000* QC	Tychem <sup>®</sup> 4000* SL	Tychem <sup>®</sup> 5000 CPF 3	Tychem <sup>®</sup> 6000 F	Tychem <sup>®</sup> 6000 FR ThermoPro
Acetone (95%)	67-64-1	L	imm.	imm.	13	462	>480	>480
Acetonitrile (95%)	75-05-8	L	imm.	imm.	60	imm.	131	>480
Ammonia (95%)	7664-41-7	G	imm.	imm.	26	imm.	20	90
1, 3-Butadiene (95%)	106-99-0	G	imm.	imm.	>480	>480	>480	>480
Carbon disulfide (95%)	75-15-0	L	imm.	imm.	imm.	imm.	>480	>480
Chlorine (95%)	7782-50-5	G	nt	imm.	>480	40	>480	>480
Dichloromethane (95%)	75-09-2	L	nt	imm.	imm.	imm.	imm.	imm.
Diethylamine (95%)	109-89-7	L	nt	imm.	15	>480	>480	>480
N, N-Dimethylformamide (95%)	68-12-2	L	nt	imm.	90	>480	>480	>480
Ethyl acetate (95%)	141-78-6	L	nt	imm.	imm.	>480	>480	>480
Ethylene oxide (95%)	75-21-8	G	nt	imm.	imm.	12	126	>480
n-Hexane (95%)	110-54-3	L	nt	imm.	imm.	>480	>480	>480
Hydrogen chloride (95%)	7647-01-0	G	nt	imm.	>480	>480	>480	>480
Methanol (95%)	67-56-1	L	nt	imm.	>480	imm.	117	>480
Methyl chloride (95%)	74-87-3	G	nt	imm.	>480	>480	>480	>480
Nitrobenzene (95%)	98-95-3	L	nt	imm.	59	>480	>480	>480
Sodium hydroxide (50%)	1310-73-2	L	>480	>480	>480	>480	>480	>480
Sulfuric acid (95%)	7664-93-9	L	>480	>480	>480	>480	>480	50
1, 1, 2, 2-Tetrachloroethylene (95%)	127-18-4	L	nt	imm.	imm.	>480	>480	>480
Tetrahydrofuran (95%)	109-99-9	L	nt	imm.	imm.	>480	>480	>480
Toluene (95%)	108-88-3	L	nt	imm.	imm.	>480	>480	>480
Chemical warfare agents**								
Lewisite (L)	541-25-3	L	nt	nt	>3601	120 <sup>1</sup>	360²	360²
Mustard (HD)	505-60-2	L	nt	nt	>4801	120 <sup>1</sup>	>4802	>4802
Tabun (GA)	77-81-6	L	nt	nt	nt	nt	>4804	>4804
Sarin (GB)	107-44-8	L	nt	nt	>4803	120 <sup>3</sup>	>4804	>4804
Soman (GD)	99-64-0	L	nt	nt	nt	>4803	>4804	>4804
VX Nerve Agent	50782-69-9	) L	nt	nt	>4803	>4803	>4804	>4804

Normalized Breakthrough Time (NBT) shown in minutes.

\*Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

### Actual Breakthrough Time in minutes.

Permeation testing on chemicals is in accordance with ASTM F739, Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact. All tests are conducted at room temperature unless otherwise noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches 0.1 µg/cm<sup>2</sup>/min.

date of publication, but may be revised as new information is developed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. Before relving on any performance data for the purchase or performance of products, you should check safespec.dupont.com or contact DPP Customer Service at 1-800-931-3456 to determine whether there is new information that relates to your intended use or application of the product.

The product information contained is current as of the

Note: Numbers reported are averages of samples tested. Sample results vary.

All DuPont permeation testing is performed by a third party.

Customer service 1 800 931 3456

\*\* Chemical warfare agents are tested according to the following protocols. All chemicals have been tested at a concentration of greater than 95% unless otherwise stated. All tests are performed at 22°C and 50% R.H. Actual Breakthrough Times, in minutes, are reported: <sup>1</sup> Protocol DN3-MIL-STD-282, Method T-209 (HD) or

modified for Lewisite, for 8 hours at 10 g/m<sup>2</sup>. <sup>2</sup> Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 100 g/m<sup>2</sup> (total coverage).

<sup>3</sup> Protocol DN5-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 10 g/m<sup>2</sup>.

<sup>4</sup> Protocol DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 100 g/m<sup>2</sup> (total coverage).

## Permeation data



21 Industrial chemicals ASTM F1001	CAS #	Physical phase	Tychem <sup>®</sup> Responder <sup>®</sup> CSM	Tychem® 10000
Original garment name		phase	RESPONDER® CSM	ТК
Acetone (95%)	67-64-1	L	>480	>480
Acetonitrile (95%)	75-05-8	L	>480	>480
Ammonia (95%)	7664-41-7	G	>480	>480
1, 3-Butadiene (95%)	106-99-0	G	>480	>480
Carbon disulfide (95%)	75-15-0	L	>480	>480
Chlorine (95%)	7782-50-5	G	>480	>480
Dichloromethane (95%)	75-09-2	L	>480	>480
Diethylamine (95%)	109-89-7	L	>480	>480
N, N-Dimethylformamide (95%)	68-12-2	L	>480	>480
Ethyl acetate (95%)	141-78-6	L	>480	>480
Ethylene oxide (95%)	75-21-8	G	>480	>480
n-Hexane (95%)	110-54-3	L	>480	>480
Hydrogen chloride (95%)	7647-01-0	G	>480	>480
Methanol (95%)	67-56-1	L	>480	>480
Methyl chloride (95%)	74-87-3	G	>480	>480
Nitrobenzene (95%)	98-95-3	L	>480	>480
Sodium hydroxide (50%)	1310-73-2	L	>480	>480
Sulfuric acid (95%)	7664-93-9	L	>480	>480
1, 1, 2, 2-Tetrachloroethylene (95%)	127-18-4	L	>480	>480
Tetrahydrofuran (95%)	109-99-9	L	>480	>480
Toluene (95%)	108-88-3	L	>480	>480
Chemical warfare agents**				
Lewisite (L)	541-25-3	L	>4801	>480 <sup>2</sup>
Mustard (HD)	505-60-2	L	>480 <sup>2</sup>	>480 <sup>2</sup>
Tabun (GA)	77-81-6	L	>4803	>4804
Sarin (GB)	107-44-8	L	>4804	>4804
Soman (GD)	99-64-0	L	>4803	>4804
VX Nerve Agent	50782-69-9	L	>4804	>4804

Index of codes: > = greater than, imm. = immediate (<10 minutes), nt = not tested, L = liquid, G = gas

Normalized Breakthrough Time (NBT) shown in minutes. The product information contained is current as of the \*Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

### Actual Breakthrough Time in minutes.

Permeation testing on chemicals is in accordance with ASTM F739, Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or determine whether there is new information that relates Gases Under Conditions of Continuous Contact. All tests are conducted at room temperature unless otherwise noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches  $0.1 \,\mu g/cm^2/min$ .

Sample results vary. third party.

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### High-level DuPont<sup>™</sup> Tychem<sup>®</sup> garments





date of publication, but may be revised as new information is developed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. Before relying on any performance data for the purchase or performance of products, you should check safespec.dupont.com or contact DPP Customer Service at 1-800-931-3456 to to your intended use or application of the product.

Note: Numbers reported are averages of samples tested.

All DuPont permeation testing is performed by a

- \*\* Chemical warfare agents are tested according to the following protocols. All tests are performed at 22°C and 50% R.H. Actual Breakthrough Times, in minutes, are reported:
- Protocol DN3-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 10 g/m<sup>2</sup>.
- <sup>2</sup> Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 100 g/m<sup>2</sup> (total coverage).
- <sup>3</sup> Protocol DN5-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 10  $g/m^2$ .
- <sup>4</sup> Protocol DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 100 g/m<sup>2</sup> (total coverage).

## Product line by hazard

When it comes to addressing a broad range of hazards in the workplace, specifiers have many product options from which to select. The process to understand which option matches a given situation can be confusing and taxing. DuPont Personal Protection has tried to reduce some of that burden by providing a complete line of products with supporting information to help guide specifiers through the selection process.

To get the most out of your personal protective equipment (PPE), it is necessary to understand where the products are intended to be used. DuPont<sup>™</sup> SafeSPEC<sup>™</sup> is a sophisticated,

## DuPont<sup>™</sup> Tyvek<sup>®</sup> and DuPont<sup>™</sup> ProShield<sup>®</sup> products Typical general industrial hazards/description/examples

Hazardour loo bazardaur

easy-to-use interactive tool that provides suggestions for chemical protective clothing based on the user's hazard scenario.

Our database includes hundreds of chemicals, including warfare agents and the ASTM F1001 standard list of challenge chemicals. This tool can be accessed on our website at safespec.dupont.com. To provide a quicker overview of our products and where they are ideally suited for use, we developed the simple guides in this document. Our goal was to match the level of protection and value for a given exposure hazard.

	Non-	hazar	dous						Haza	rdous	5										
	F	Particl	es .	Aeroso	l Lig	ht liq	juid sp	lash*					Parti	cles					Aeroso		Flame resistance*
Garment	General dirt & grime	Animal waste	Sanding & grinding waste	Spray paint		Lubri- cants	Fertilizer	Sewage	Fertilizer	r Pesti- cides	Asbestos	Lead	Chromium	Berylium	Mold	Fiber- glass	Carbon		Isocyanate containing s		
Tyvek° 400	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	•	
Tyvek <sup>®</sup> 500	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
Tyvek <sup>®</sup> 500 HV	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
Tyvek° 600	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	√	
Tyvek° 800	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	~	
ProShield® 70	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	
ProShield® 60	•	•	•	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	•	•	•	•	٠	•	•	•	•	٠	$\checkmark$	٠	
ProShield® 50	•	•	•	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	•	•	•	•	•	•	•	•	•	•			
ProShield® 30	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			
ProShield® 10	•	•	•	٠	•	•	٠	•													
ProShield® 6 SFR	•	•	•	•	•	•															~

### ✓ Generally preferred ● Acceptable for use

\*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" and ProShield" 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. 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. Tyvek\* 600 and Tyvek<sup>®</sup> 500 garments use a special type of Tyvek<sup>®</sup> fabric, which has different physical properties and improved chemical resistance properties when compared to fabric used in standard Tyvek<sup>®</sup> garments. Additionally, the seams used in standard Typek<sup>®</sup> garments are different than the seams for Typek<sup>®</sup> 600 and Typek<sup>®</sup> 500 garments Tyvek<sup>®</sup> 600 garments offer seams that are sewn and then taped, and Tyvek<sup>®</sup> 500 garments offer external serged seams, where the seam thread is visible on the outside of the garment. Tyvek\* 500 and Tyvek\* 600 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 DuPont" Tychem<sup>®</sup> 2000 and Tychem<sup>®</sup> 4000 garments with taped seams.

\*\*Biohazards have a variety of classification methods. These products (garments or fabrics) have been tested to the following standards, including but not limited to AATCC 127 (Tyvek\* 400), EN 14126 (Tyvek\* 500 HV, Tyvek\* 500, Tyvek\* 600, Tyvek\* 800), ASTM F1670 (ProShield® 60, ProShield® 70) and ASTM F1671 (ProShield® 70). Visit our website for specific testing data.

\*\*\*ProShield® 6 SFR and Tychem® 2000 SFR coveralls provide only secondary flame-resistant protection. They must always be worn over an appropriate primary flame-resistant garment and primary flame-resistant hood/balaclava in an environment that needs flame protection, along with other personal protective equipment that protects your face, hands and feet.

It is the user's responsibility to determine the nature and level of hazard 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. If the garment becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

Latex statement: As of January 1, 2006, DuPont production specifications exclude use of components containing natural rubber latex in the manufacture of DuPont" Tyvek\* IsoClean® and DuPont<sup>™</sup> ProClean® garments.

Tyvek<sup>®</sup> 500, Tyvek<sup>®</sup> 600 and Tyvek<sup>®</sup> 800 contain natural rubber latex which may cause allergic reactions in some sensitized individuals. Anyone who begins to exhibit an allergic response during the use of DuPont products should immediately cease using these products and should also be reported to DuPont at 1-800-441-3637 (outside the U.S. 1-302-774-1139) so that an investigation can be initiated.

### After June 2023, Tyvek\* 500, Tyvek\* 600 and Tyvek\* 800 are manufactured under specifications that exclude components containing natural rubber latex.

Garments should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur. Some Tychem<sup>®</sup> garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Tyvek<sup>®</sup> coveralls and ProShield<sup>®</sup> 60 coveralls can be considered for use with the appropriate respirators and other suitable PPE to minimize contact with isocyanate paint aerosols. Tyvek<sup>®</sup> garments are not appropriate if they are getting wet (paint is dripping or running, or wet to the touch) or if spotting is observed on skin or garments worn under the coveralls. Tychem<sup>®</sup> aprons and smocks are available for situations. where prolonged liquid exposure may be limited to the front of the torso and/or arms of the wearer. These aprons and smocks can be worn with Tyvek\* to provide localized protection while limiting the level of thermal discomfort.

## Product line by hazard

### DuPont<sup>™</sup> Tychem<sup>®</sup> chemical protection products

### Typical chemical hazards/examples

	Hazardous dry powders & solids	Bloodborne pathogens & biohazards	Light chemical splash & aerosols	Moderate liquid chemical splash	Po fla ex or ch
Garment	Dry pharma chemicals	Blood, saliva, human excrement	Inorganic acids and bases, salts	Organics, solvents	Met amj
Tychem <sup>®</sup> 2000	✓	$\checkmark$	√*		
Tychem® 2000 SFR	~	$\checkmark$	$\checkmark$		
Tychem <sup>®</sup> 4000	✓	$\checkmark$	√.∗	•	
Tychem <sup>®</sup> 5000	•	$\checkmark$	٠	✓	
Tychem <sup>®</sup> 6000	•	$\checkmark$	٠	$\checkmark$	
Tychem <sup>®</sup> 6000 FR	•	$\checkmark$	•	$\checkmark$	
Tychem <sup>®</sup> Responder <sup>®</sup> CSM	•	•	•	✓	
Tychem® 10000	•	•	•	$\checkmark$	

### ✓ Generally preferred ● Acceptable for use

\*Serged and/or 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 laboratory performance of fabrics, not complete garments, under controlled conditions. garment, the length of time the liquid is on the garment, applied pressure and certa It is intended for information use by persons having technical skill for evaluation under physical properties of the liquid. DuPont" Tyvek® and DuPont" ProShield® garments their specific end-use conditions, at their own discretion and risk. Anyone intending are not appropriate if during use they are getting wet (liquid is dripping or running, to use this information should first verify that the garment selected is suitable for the it is wet to the touch) or if spotting is observed on skin or garments worn under the intended use. In many cases, seams and closures have shorter breakthrough times protective garment. Serged and bound seams are degraded by some hazardous liquid and higher penetration rates than the fabric. Please contact DuPont for specific data. chemicals, such as strong acids, and should not be worn when these chemicals are If the garment becomes torn, abraded or punctured, end user should discontinue use present. Tyvek\* 600 and Tyvek\* 500 garments use a special type of Tyvek\* fabric, which of garment to avoid potential exposure. has different physical properties and improved chemical resistance properties when Latex statement: As of January 1, 2006, DuPont production specifications exclude use compared to fabric used in standard Tyvek\* garments. Additionally, the seams used in of components containing natural rubber latex in the manufacture of DuPont" Tyvek\* standard Tyvek® garments are different than the seams for Tyvek® 600 and Tyvek® 500 IsoClean® and DuPont<sup>™</sup> ProClean® garments. garments. Tyvek<sup>®</sup> 600 garments offer seams that are sewn and then taped, and Tyvek\* 500, Tyvek\* 600 and Tyvek\* 800 contain natural rubber latex which may Tyvek<sup>®</sup> 500 garments offer external serged seams, where the seam thread is visible on cause allergic reactions in some sensitized individuals. Anyone who begins to exhibit the outside of the garment. Tyvek\* 500 and Tyvek\* 600 offer improved liquid barrier, an allergic response during the use of DuPont products should immediately cease 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<sup>®</sup> 2000 and Tychem<sup>®</sup> 4000 garments with taped seams.

ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR coveralls provide only secondary flame-resistant protection. They must always be worn over an appropriate primary flame-resistant garment and primary flame-resistant bood/balaclava in an environment that needs flame protection, along with other personal protective equipment that protects your face, hands and feet.

Garments should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur. Some Tychem<sup>®</sup> garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer It is the user's responsibility to determine the nature and level of hazard and the proper footwear. These attached socks do not have adequate durability or slip resistance to be personal protective equipment needed. The information set forth herein reflects worn as the outer foot covering



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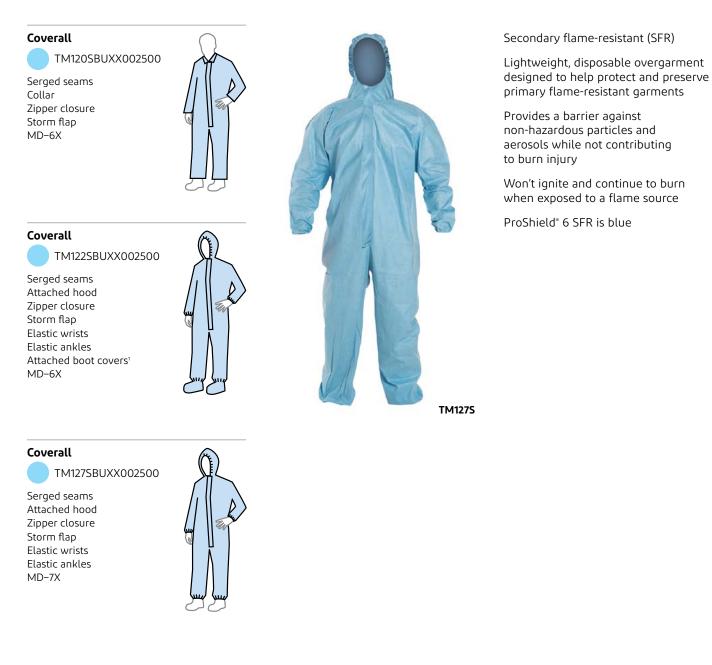
### After June 2023, Tyvek° 500, Tyvek° 600 and Tyvek° 800 are manufactured under specifications that exclude components containing natural rubber latex.

using these products and should also be reported to DuPont at 1-800-441-3637 (outside the U.S. 1-302-774-1139) so that an investigation can be initiated.



## DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR

Original name: DuPont<sup>™</sup> Tempro<sup>®</sup>



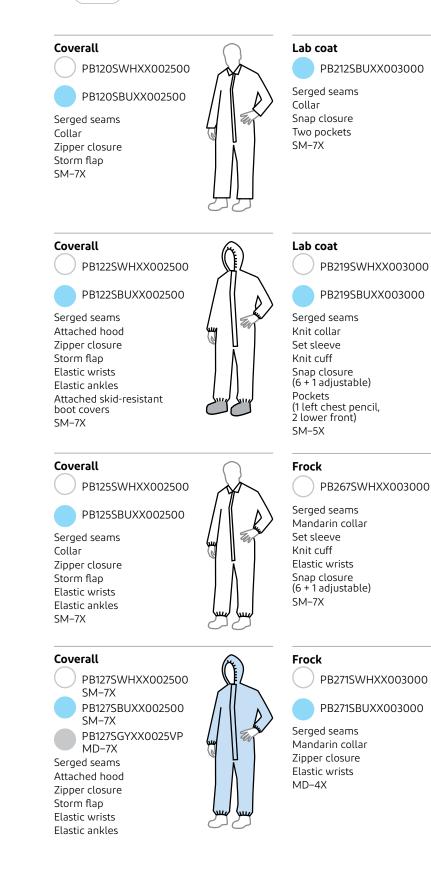
ProShield® 6 SFR garments are flame retardant treated, not inherently flame-resistant, and are intended to be worn over your primary flame-resistant garments.

Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. 'These ProShield® 6 SFR garments have attached boot covers made of the garment material. These attached boot covers must be worn inside protective outer footwear and are not suitable as outer footwear. These attached boot covers do not have adequate durability or slip resistance to be worn as the outer foot covering. Note: Not all sizes available in all styles.

Customer service 1 800 931 3456

ProShield® 6 SFR



ProShield

## DuPont<sup>™</sup> ProShield<sup>®</sup> 10

Original name: ProShield® Basic











PB127S

## Comfort and quality at an affordable price

## Spunbond-meltblown-spunbond (SMS) garments

Uses include general maintenance, janitorial/cleaning and other dirty work assignments

## ProShield<sup>®</sup> 10 is available in blue, white and gray in style 127

Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. Note: Not all sizes available in all styles.

Warning: ProShield<sup>®</sup> 10 should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield<sup>®</sup> 10 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.



dpp.dupont.com

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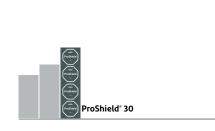


Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles.

Warning: ProShield<sup>®</sup> 30 should not be used around heat, flames, sparks or in potentially flammable or explosive environments



<sup>1</sup>**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. See page 7 for photos.

Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Customer service 1 800 931 3456

safespec.dupont.com

Coverall

Serged seams Attached hood Zipper closure Storm flap Elastic wrists Elastic ankles Attached skid-resistant boot covers SM-6X

## Apron NB273BWHXX010000

Bound seams Bound neck and ties Bib style 28" x 36" One size fits most

Coverall NB127SWHXX002500

## Serged seams Attached hood (respirator fit)<sup>1</sup>

Zipper closure Storm flap Elastic wrists Elastic ankles SM-6X

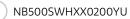


Serged seams Elastic openings 24" length One size fits most

Sleeves

16

NB122SWHXX002500







**NB127S** 

Provides a barrier against a range of non-hazardous aerosols, light liquid splash and dry particles

Microporous film laminated to a nonwoven fabric

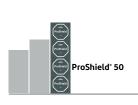
Industries and applications include janitorial, sanitation and general industrial maintenance

Lighter weight and roomy design make for greater comfort and mobility

ProShield<sup>®</sup> 50 is white

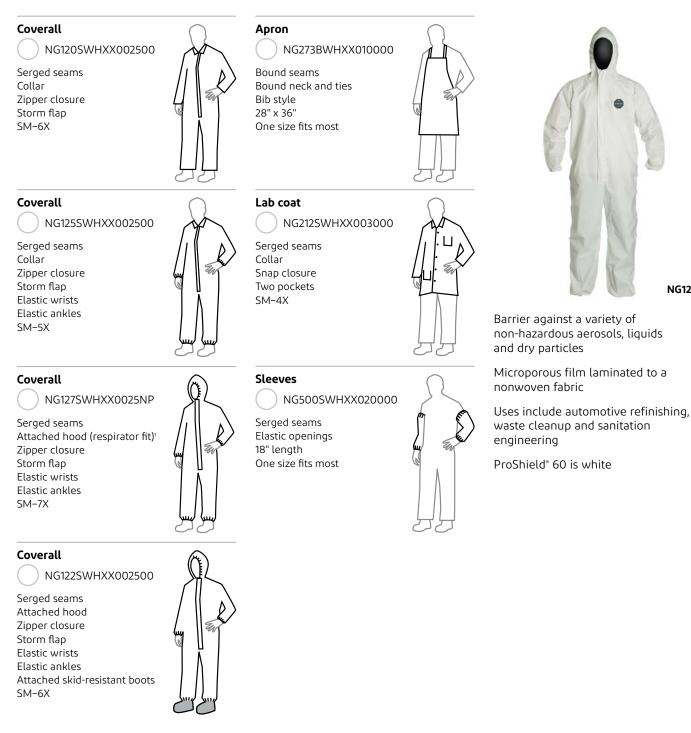
Note: Not all sizes available in all styles.

Warning: ProShield<sup>®</sup> 50 should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield<sup>®</sup> 50 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.



of



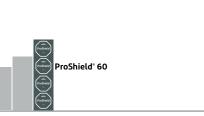


<sup>1</sup>**Respirator fit hoods** are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. See page 7 for photos. Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

### Note: Not all sizes available in all styles.

Warning: ProShield<sup>®</sup> 60 should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield® 60 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.



Seams and closures have less barrier than fabric.

ProShield

Shoe cover

Serged seams

8.25" height

Skid resistant

Boot cover

Serged seams

Skid resistant

100/cs (50 pairs)

One size fits most

10" height

Elastic openings

ProShield® 70 fabric

Elastic openings

ProShield<sup>®</sup> 70 fabric

200/cs (100 pairs) One size fits most

P3450SGY000200LG

P3452SGYXX010000

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Warning: ProShield<sup>®</sup> 70 should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

NG127S



Original name: ProShield<sup>®</sup> 3

## DuPont<sup>™</sup> ProShield<sup>®</sup> 70



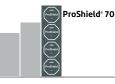
Skid-resistant material for shoe/boot covers to help prevent slipping

Provides non-hazardous liquid splash protection

ProShield<sup>®</sup> 70 is gray

LG = 8.25" high shoe cover





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Tyvek

## DuPont<sup>™</sup> Tyvek<sup>®</sup> 400 D

Original name: Tyvek® Dual

### Coverall

TD125SWBXX0025CM

Serged seams Collar Zipper closure Storm flap Elastic waist Elastic wrists Elastic ankles Thumb loops MD-4X



Serged seams Attached hood (respirator fit)<sup>1</sup> Zipper closure Storm flap Elastic waist Flastic wrists Elastic ankles Thumb loops MD-4X



Tyvek® 400 fabric on the front and hood

Tyvek<sup>®</sup> fabric is composed of flashspun high-density polyethylene, which creates a unique nonwoven material available only from DuPont

Tyvek<sup>®</sup> 400 fabric provides an ideal balance of protection, durability and comfort compared to any limited-use fabric technology

Tyvek<sup>®</sup> 400 fabric's durability delivers a consistently better barrier, even after wear and abrasion

Tyvek<sup>®</sup> 400 is white

DuPont<sup>™</sup> ProShield<sup>®</sup> 10 fabric on the back

ProShield<sup>®</sup> 10 fabric has been optimized for comfort, softness and breathability

ProShield<sup>®</sup> 10 fabric is designed for non-hazardous dry particle and light liquid splash applications

ProShield® 10 is made from a polypropylene spunbond-meltblownspunbond (SMS) fabric

ProShield<sup>®</sup> 10 is blue

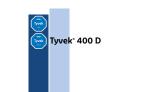
<sup>1</sup>Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. See page 7 for photos.

Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. Note: Not all sizes available in all styles.

Warning: Tyvek\* and ProShield\* should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek\* and ProShield® fabrics should have slip-resistant or antislip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur

Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore designations are subject to change without notice.



Tyvek<sup>®</sup> 400 D garments provide an

ideal balance of comfort, durability

Comfort fit design helps enable a

greater range of movement while

requirements are combined with

Well suited for workers who are

involved in a variety of strenuous

in applications that include:

• Wind turbine manufacturing

Composites manufacturing

Boat manufacturing

Glass manufacturing

Remediation

Maintenance

Utilities

activities that can lead to heat stress

limited protective requirements for

Designed for very specific applications

and protection for workers

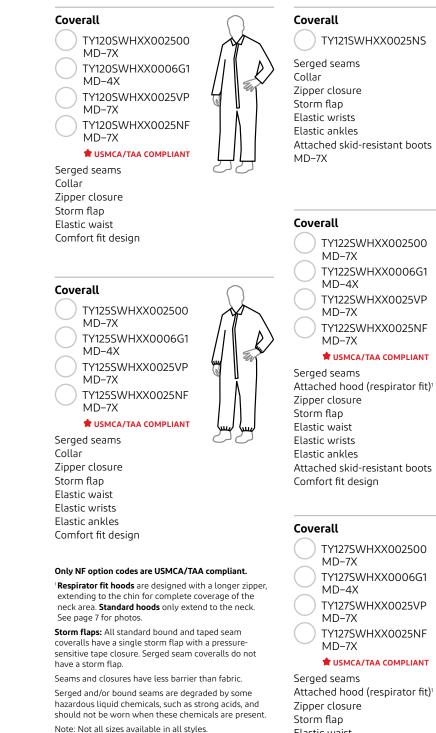
stretching and bending

frontal exposures

where demanding comfort







Warning: Tyvek\* should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore designations are subject to change without notice.

Elastic waist Elastic wrists Elastic ankles Comfort fit design

Customer service 1 800 931 3456

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dpp.dupont.com





### Coverall

TY151SWHXX002500

Serged seams Collar Snap closure XL-4X



An ideal balance of protection, durability and comfort

Comfort fit design allows for a greater range of motion and fewer blowouts

Breathable inherent barrier protection against hazardous dry particles, aerosols and non-hazardous light liquid splash

Excellent abrasion resistance; protects against hazardous particles down to one micron in size

When used with other PPE, can help reduce risk of cross-contamination in pandemic response activities

One garment for many applications:

- General maintenance/operations
- Microcrystalline silica
- Lead abatement
- Environmental cleanup
- Agriculture
- Asbestos abatement
- Food processing
- Mold remediation
- Spray painting
- Crime scene investigation
- Wind turbine manufacturing

Tyvek<sup>®</sup> 400 is white

- G1 = Reduced case quantity
- NS = Non-skid material

NF = USMCA/TAA compliant

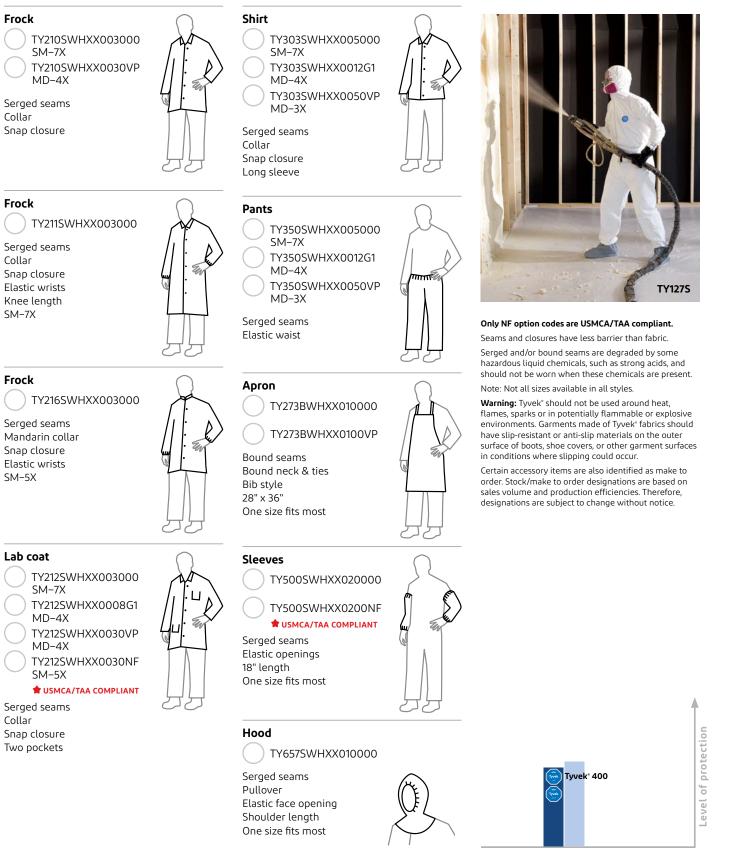
VP = Vend packed





of

DuPont<sup>™</sup> Tyvek<sup>®</sup> 400 Tyvek Original name: Tyvek®



Customer service 1 800 931 3456

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# Tyvek.

## Original name: Tyvek®



TY450SWHXX0200LG

TY454SWHXX010000

Shoe cover

Tyvek<sup>®</sup> fabric

Serged seams

8.25" height

Boot cover

Tyvek<sup>®</sup> fabric

Serged seams

18" height

Elastic openings

100/cs (50 pairs)

One size fits most

Elastic openings

200/cs (100 pairs)

One size fits most

Boot cover

TY454SWHXX0100SR

Tyvek<sup>®</sup> fabric Tyvek® 400 FC sole Serged seams Elastic openings Elastic ankles 18" height Skid resistant 100/cs (50 pairs) LG-XL

## Shoe cover—Tyvek<sup>®</sup> 400 FC

FC450SGYXX020000 Tyvek<sup>®</sup> FC fabric Serged seams Elastic openings Elastic toe, sole and heel seams 5" height Skid resistant 200/cs (100 pairs)

Boot cover—Tyvek<sup>®</sup> 400 FC

One size fits most

li mi

## FC454SGYXX010000

Tyvek<sup>®</sup> FC fabric Serged seams Elastic openings 18" height Skid resistant 100/cs (50 pairs) One size fits most

## Only NF option codes are USMCA/TAA compliant.

Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and

should not be worn when these chemicals are present. Tyvek\* 400 with Friction Coating (FC) has been specially treated to promote ink/coating adhesion. This treatment lowers the typical bulk liquid holdout values for Tyvek\* fabric. Products with this treatment offer limited bulk liquid holdout. If barrier protection from liquid splash is

required, please consider a non-treated Tyvek® style or

Customer service 1 800 931 3456

other substrate

22

## DuPont<sup>™</sup> Tyvek<sup>®</sup> 400 and Tyvek<sup>®</sup> 400 FC



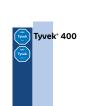
Skid-resistant materials for shoe/boot covers to prevent slipping Tyvek<sup>®</sup> 400 with Friction Coating (FC) Tyvek<sup>®</sup> 400 FC is gray LG = 8.25" high shoe cover NF = USMCA/TAA compliant SR = Skid resistant





Warning: Tyvek\* should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek\* fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.



of



## DuPont<sup>™</sup> Tyvek<sup>®</sup> 500 HV Original name: new garment



Mandarin collar Zipper closure Storm flap Elastic waist Flastic wrists Elastic ankles 25/cs SM-6X

Coverall TY127SHVXX0025XC

Serged seams Attached hood (respirator fit)<sup>1</sup> Zipper closure Storm flap Elastic waist Elastic wrists Elastic ankles Comfort fit design SM-6X



Durability and breathability of Tyvek®

Ideal when working in dangerous environments, darkness or poor weather conditions

Tyvek<sup>®</sup> 500 HV is fluorescent orange with retroreflective bands for high visibility

ANSI/ISEA 107 American National Standard for High-Visibility Safety Apparel (HVSA) addresses personal protective safety clothing intended to provide conspicuity during daytime, nighttime and other low-light condition usage; HVSA PPE is intended to provide conspicuity to the user in hazardous situations under any light conditions by day and under illumination by vehicle headlights in the dark or other low-light conditions

The Tyvek<sup>®</sup> 500 HV stripes/bands are oriented with a distinctive symmetric "X" on the back for additional safety



Tyvek.

Tvvek

Tyvek<sup>®</sup> 500 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material available only from DuPont

Suitable for applications such as pharmaceutical handling, chemical processing, automatic spray painting, maintenance and many others

Tyvek<sup>®</sup> 500 Type 5/6 coveralls offer the following safety and comfort benefits:

- · Chemical protective clothing, Category III Type 5-B and 6-B
- Protection against infective agents (EN 14126)
- Resistance to penetration by bloodborne pathogens using bacteriophage Phi-X174 (ISO 16604)
- Resistance to penetration by blood and body fluids using synthetic blood (ISO 16603)

Tyvek<sup>®</sup> 500 is white

Coverall—Tyvek<sup>®</sup> 500 TY198SWHXX0025LA External serged seams Attached hood Storm flap Elastic wrists Elastic ankles CE certified Category III Type 5-B and 6-B SM-7X

Tyvek<sup>®</sup> 600 Type 4/5/6 coveralls offer the following safety and comfort benefits:

- (EN 14126)
- (ISO 16603)
- permeation barrier to low concentration water-based inorganic chemicals
- Tyvek® 600 is white

## Coverall—Tyvek<sup>®</sup> 600

Taped seams Attached hood (respirator fit) Storm flap Elastic wrists Elastic ankles CE certified Category III Type 4-B, 5-B and 6-B Packaged individually SM-7X

<sup>1</sup>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. See page 7 for photos.

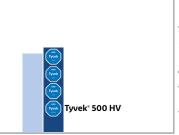
Seams and closures have less barrier than fabric.

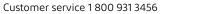
24

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. Note: Not all sizes available in all styles.

Warning: Tyvek\* should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur. Certain accessory items are also identified as make to

order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.





## DuPont<sup>™</sup> Tyvek<sup>®</sup> 500 and Tyvek<sup>®</sup> 600

Original names: Tyvek® Xpert and Tyvek® Plus



TY198T

Tyvek<sup>®</sup> 600 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material available only from DuPont

 Chemical protective clothing, Category III Type 4-B, 5-B and 6-B

• Protection against infective agents

• Resistance to penetration by bloodborne pathogens using bacteriophage Phi-X174 (ISO 16604)

 Resistance to penetration by blood and body fluids using synthetic blood

· Fabric and seams offer chemical

PI = Packaged individually

TY198TWHXX0025PI



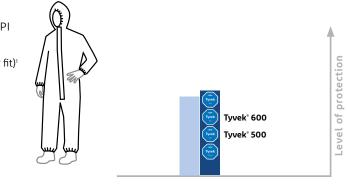
Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. See page 7 for photos.

Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles.

Warning: Tyvek<sup>®</sup> should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur

Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.



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## DuPont<sup>™</sup> Tyvek<sup>®</sup> 800

Original name: new garment





Tyvek<sup>®</sup> 800 garments combine resistance to low-concentration, water-based, inorganic chemicals (even under pressure) with the durability of Tyvek<sup>®</sup>, thanks to their innovative fabric technology and enhanced garment design

Chemical protective clothing, Category III, Type 3-B, 4-B, 5-B and 6-B

Protection against infective agents (EN 14126), including resistance to penetration by blood and body fluids using synthetic blood (ISO 16603)

Resistance to penetration by bloodborne pathogens using bacteriophage Phi-X174 (ISO 16604)

Suitable for applications such as industrial cleaning; chemical packaging and redistribution; waste treatment and disposal; environmental remediation and many others

Tyvek<sup>®</sup> 800 is white

PI = Packaged individually

TJ198T

<sup>1</sup>**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. See page 7 for photos.

Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles.

Warning: Tyvek<sup>®</sup> should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyyek\* fabrics should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies. Therefore. designations are subject to change without notice.



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# Tvchem

## DuPont<sup>™</sup> Tychem<sup>®</sup> 2000 SFR

Original name: new garment

## Coverall QS127TGRXX000400

Taped seams Attached hood Zipper closure Storm flap with tape closure Elastic wrists Elastic ankles SM-7X



## Coverall QS128TGRXX000400

Taped seams Attached hood (respirator fit)<sup>1</sup> Zipper closure Storm flap with tape closure Elastic wrists Attached socks<sup>2</sup> Outer boot flaps with elastic SM-5X



Apron QS275TGRXX001200 Taped seams Hook-and-loop neck closure

Waist ties

44" long

SM-5X

Elastic wrists

### Bib overall

Elastic wrists

loop closure

SM-4X

Jacket Taped seams

Taped seams Adjustable webbing C straps with closure SM-4X



Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

<sup>1</sup>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. See page 7 for photos.

<sup>2</sup>These Tychem<sup>®</sup> 2000 SFR garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering

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Tychem<sup>®</sup> 2000 SFR coveralls provide an effective barrier against a range of chemicals, as well as secondary flame resistance when worn over primary flame-resistant (FR) garments like those made with DuPont<sup>™</sup> Nomex<sup>®</sup>

Provides protection against a multitude of inorganic acids and bases as well as a range of industrial cleaning formulations

In the event of a flash fire, Tychem® 2000 SFR coveralls won't ignite and won't contribute additional burn injury if appropriate primary FR apparel is worn beneath; for hooded coveralls, appropriate FR hoods should be worn

Tychem<sup>®</sup> 2000 SFR garments are appropriate per NFPA 2113 Section 5.1.9

Tychem<sup>®</sup> 2000 SFR is green for discretionary purposes and features a low-visibility patch

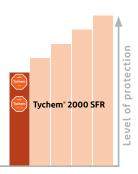
QS127



Seams and closures have less barrier than fabric Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles.

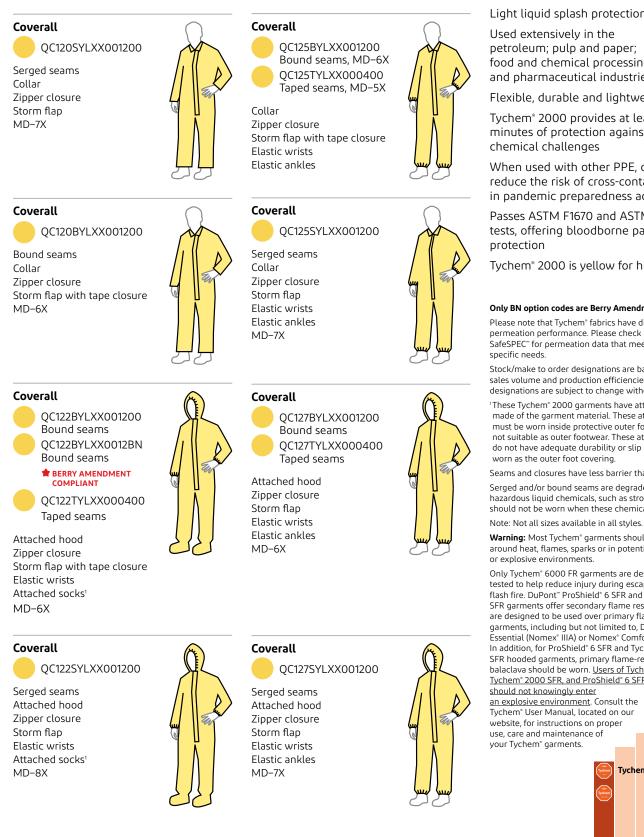
Warning: Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 2000 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments





## DuPont<sup>™</sup> Tychem<sup>®</sup> 2000

Original name: Tychem<sup>®</sup> QC



## Light liquid splash protection

Used extensively in the petroleum; pulp and paper; food and chemical processing; and pharmaceutical industries

Flexible, durable and lightweight

Tychem<sup>®</sup> 2000 provides at least 30 minutes of protection against >40 chemical challenges

When used with other PPE, can help reduce the risk of cross-contamination in pandemic preparedness activities

Passes ASTM F1670 and ASTM F1671 tests, offering bloodborne pathogen

Tychem<sup>®</sup> 2000 is yellow for high visibility

### Only BN option codes are Berry Amendment compliant.

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont SafeSPEC<sup>™</sup> for permeation data that meets your

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

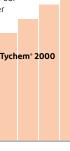
<sup>1</sup>These Tychem<sup>®</sup> 2000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable

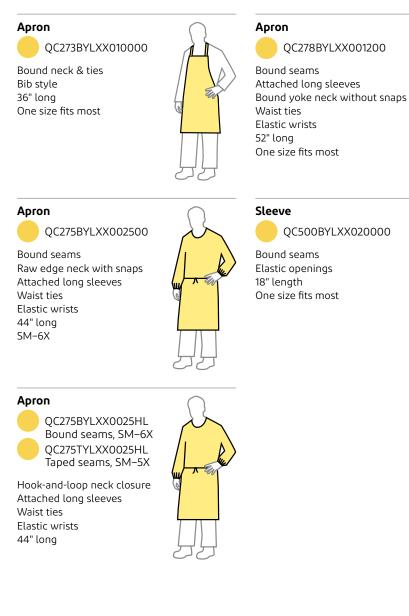
Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield\* 6 SFR and Tychem\* 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem<sup>®</sup> 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our





## DuPont<sup>™</sup> Tychem<sup>®</sup> 2000

Original name: Tychem<sup>®</sup> QC



### Only BN option codes are Berry Amendment compliant.

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs.

Stock/make to order designations are based on sales volume and production efficiencies. Therefore designations are subject to change without notice.

Seams and closures have less barrier than fabric.

Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

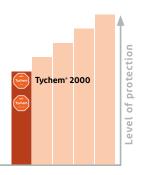
Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem<sup>®</sup> 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual. located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

28

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QC127







Coverall SL122BWHXX001200 Bound seams, MD-7X SL122TWHXX000600 Taped seams, MD-6X

Attached hood Zipper closure Storm flap with tape closure Elastic wrists Attached socks1

Coverall

Attached hood

Zipper closure

Elastic wrists

Elastic ankles MD-7X

Coverall

Elastic wrists

MD-7X

## Coverall

MD-6X

SL125BWHXX001200 Bound seams, MD-6X SL125TWHXX000600 Taped seams, MD–5X

Collar Zipper closure Storm flap with tape closure Elastic wrists Elastic ankles

### Coverall

SL121BWHXX001200 Bound seams, MD-6X SL121TWHXX000400 Taped seams, MD-5X

Collar Zipper closure Storm flap with tape closure Elastic wrists Attached socks<sup>1</sup>

### Coverall

SL122BWHXX0012BN Bound seams, MD-4X

> **BERRY AMENDMENT** COMPLIANT

SL122TWHXX0006BN Taped seams, MD–5X

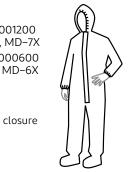
### **BERRY AMENDMENT** COMPLIANT

Attached hood Zipper closure Storm flap with tape closure Elastic wrists Attached socks1

### Only BN option codes are Berry Amendment compliant.

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs.

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.











<sup>2</sup> 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. See page 7 for photos

Seams and closures have less barrier than fabric Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles. Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable

or explosive environments. Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant



Effective protection against a range of chemicals

Uses include waste management, hazardous response and nuclear environments

Rugged and durable

Tychem<sup>®</sup> 4000 is white for high visibility

Tychem<sup>®</sup> 4000 provides at least 30 minutes of protection against >120 chemical challenges

When used with other PPE, can help reduce the risk of cross-contamination in pandemic preparedness activities

Passes ASTM F1670 and ASTM F1671 tests, offering bloodborne pathogen protection

garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem<sup>®</sup> 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.



# Tvchem

Coverall

Taped seams

Zipper closure

Elastic wrists

SM-5X

Apron

Bib style

36" long

Apron

Waist ties

44" long

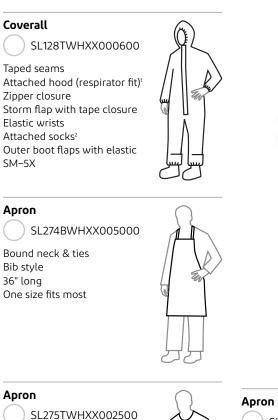
SM-6X

Attached socks<sup>2</sup>

Bound neck & ties

One size fits most

DuPont<sup>™</sup> Tychem<sup>®</sup> 4000 Original name: Tychem<sup>®</sup> SL



SL275TWHXX002500 Taped seams Raw edge neck with snaps Attached long sleeves Elastic wrists

# Taped seams

Apron

SL278BWHXX0012HL Bound seams Hook-and-loop neck closure

Attached long sleeves Waist ties Elastic wrists 52" long One size fits most



Please note that Tychem® fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

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Attached long sleeves Waist ties Elastic wrists 44" lona SM-6X

See page 7 for photos. worn as the outer foot covering





**SL120B** 

## SL275TWHXX0025HL

Hook-and-loop neck closure



<sup>1</sup> 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.

<sup>2</sup>These Tychem<sup>®</sup> 4000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be

Seams and closures have less barrier than fabric Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant

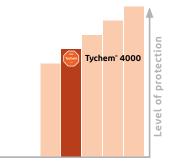
## Apron

## SL278BWHXX001200

Bound seams Bound yoke neck with snaps Attached long sleeves Waist ties Elastic wrists 52" long One size fits most



garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments





## DuPont<sup>™</sup> Tychem<sup>®</sup> 5000

Original name: Tychem<sup>®</sup> CPF 3



Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

<sup>1</sup>These Tychem<sup>®</sup> 5000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering

<sup>2</sup>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. See page 7 for photos

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Strong and durable garments with broad chemical barrier

Tychem<sup>®</sup> 5000 provides at least 30 minutes of protection against >145 chemical challenges

Uses include chemical and petrochemical handling, hazardous materials/waste cleanup, industrial hazmat teams, utilities and domestic preparedness

Passes ASTM F1670 and ASTM F1671 tests, offering bloodborne pathogen protection

Tychem<sup>®</sup> 5000 is tan for discretionary purposes and features a low-visibility patch

## C3127T

Apron C3275TTNXX000600 Taped seams Bound snap neck Attached long sleeves Waist ties Elastic wrists 44" long SM-5X

Seams and closures have less barrier than fabric

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex\* IIIA) or Nomex\* Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

Tychem<sup>®</sup> 5000



## DuPont<sup>™</sup> Tychem<sup>®</sup> 5000 Original name: Tychem<sup>®</sup> CPF 3



Taped seams Attached hood (respirator fit)<sup>2</sup> Zipper closure Double storm flaps with hook-and-loop closure Attached iam fit removable/ field replaceable neoprene outer/ multi-layer laminate inner gloves Attached socks1 Outer boot flaps SM-4X

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont' SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

'These Tychem' 5000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

<sup>2</sup>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. See page 7 for photos

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. <u>Users of Tychem® 6000 FR,</u> Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

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32



Tychem<sup>®</sup> 5000 garments are intended for use by law enforcement, hazmat and hospital personnel

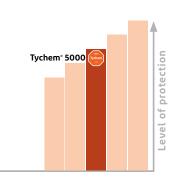
Offered in respirator fit hood or collar style for use with a PAPR; ideal for hospital first receiver applications

Tychem<sup>®</sup> 5000 garments may include integrated gloves and improved closures to reduce response time; deliver a high level of dexterity and tactility; and improve protection

Tychem<sup>®</sup> 5000 is tan for discretionary purposes and features a low-visibility patch

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.









MD-4X





### Jacket

C3670TTNXX000600 SM-4X C3670TTNXX0006IF MD-4X

Taped seams Mandarin collar Zipper closure Double storm flaps with hook-and-loop closure Elastic wrists



Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont™ SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

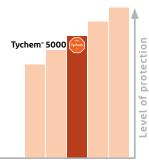
Stock/make to order designations are based on sales volume and production efficiencies. Therefore designations are subject to change without notice.

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

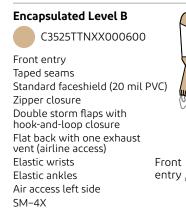
Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield\* 6 SFR and Tychem\* 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex\* Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem<sup>®</sup> 6000 FR. Tychem® 2000 SFR, and ProShield® 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.



Tychem

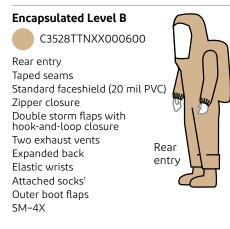
## DuPont<sup>™</sup> Tychem<sup>®</sup> 5000

Original name: Tychem<sup>®</sup> CPF 3



### **Encapsulated Level B**

Rear entry Taped seams Standard faceshield (20 mil PVC) Zipper closure Double storm flaps with hook-and-loop closure Flat back with one exhaust vent (airline access) Elastic wrists Attached socks1 Outer boot flaps SM-4X



Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs.

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

'These Tychem<sup>®</sup> 5000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

maintenance of your Tychem<sup>®</sup> garments.

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34

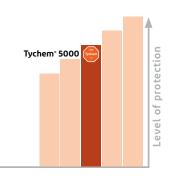
C3526TTNXX000600





## All Tychem<sup>®</sup> 5000 encapsulated Level B suits are made in the USA

Only Tychem® 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and





SM-7X

SM-5X

Taped seams

Zipper closure

Elastic wrists

Elastic ankles

Coverall

Taped seams

Zipper closure

Elastic wrists

SM-5X

Attached socks<sup>2</sup>

TF169TGYXX000600

TF169TGYXX0006TV

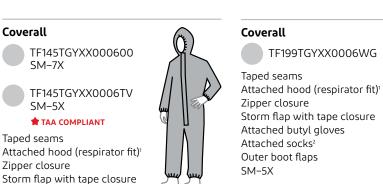
TAA COMPLIANT

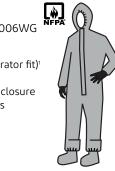
Attached hood (respirator fit)<sup>1</sup>

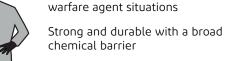
Storm flap with tape closure

Coverall

## DuPont<sup>™</sup> Tychem<sup>®</sup> 6000 Original name: Tychem® F







For use when potential exposure to industrial chemicals and chemical warfare agents exists

Widely used by military personnel

and first responders for chemical

Tychem<sup>®</sup> 6000 provides at least 30 minutes of protection against >180 chemical challenges

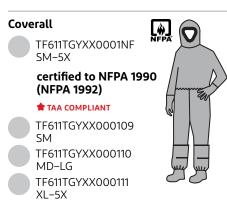
Passes ASTM F1670 and ASTM F1671 tests, offering bloodborne pathogen protection

Tychem<sup>®</sup> 6000 is available in gray for discretionary purposes with a low-visibility patch

Tychem<sup>®</sup> 6000 TF611T, option code NF, is certified to NFPA 1990 (NFPA 1992). 2022. Standard for Protective Ensembles for Hazardous Materials and CBRN Operations



## DuPont<sup>™</sup> Tychem<sup>®</sup> 6000 Tychem Original name: Tychem® F



Taped seams Elastomeric faceseal Rear entry Horizontal zipper Attached multi-layer laminate gloves Attached socks1 Outer boot flaps Reinforced waist and knees for added protection

Only TV option codes are TAA compliant.

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont™ SafeSPEC<sup>™</sup> for permeation data that meets your specific needs.

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

<sup>1</sup>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. See page 7 for photos.

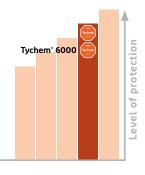
<sup>2</sup>These Tychem<sup>®</sup> 6000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric. Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield\* 6 SFR and Tychem\* 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont" Nomex Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

Customer service 1 800 931 3456



Please note that Tychem® fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

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Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

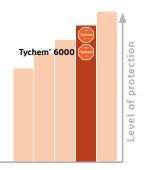
maintenance of your Tychem<sup>®</sup> garments

safespec.dupont.com dpp.dupont.com



TF611T

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and





## DuPont<sup>™</sup> Tychem<sup>®</sup> 6000 FR

Original name: Tychem® ThermoPro

NFPA 1990 (NFPA 1992) and meets NFPA 70E° Category 2 TP198TORXX000200 Taped seams Attached hood with drawstring (respirator fit)<sup>1</sup> Zipper closure Double storm flaps with hook-and-loop closure Elastic wrists Hemmed ankles SM-5X

Coverall—certified to

Coverall—certified to NFPA 1990 (NFPA 1992) and meets NFPA 70E° Category 2

TP199TORXX000200

Taped seams Attached hood with drawstring (respirator fit)<sup>1</sup> Zipper closure Double storm flaps with hook-and-loop closure Elastic wrists Attached socks<sup>2</sup> Outer boot flaps SM-5X



## Flame-resistant (FR) Provides triple hazard protection from chemicals, flash fire and electric arc, combining the trusted chemical protection of Tychem<sup>®</sup> with the flame and arc flash protection of DuPont<sup>™</sup>



**TP198T** 

of 8 cal/cm<sup>2</sup> outlined in NFPA 70E<sup>®</sup>, Standard for Electrical Safety in the Workplace

Constructed for heavy use, yet lightweight and easy to wear

Nomex<sup>®</sup> into a single garment

Tychem<sup>®</sup> 6000 FR 198T/199T are

Tychem<sup>®</sup> 6000 FR provides at least 30 minutes of protection against >180 chemical challenges

Tychem® 6000 FR 198T/199T exceed the Hazard Risk Category 2 requirement

Tychem<sup>®</sup> 6000 FR has an arc rating of 15 cal/cm<sup>2</sup> EBT

Tychem<sup>®</sup> 6000 FR is orange for high visibility

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont™ SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

<sup>1</sup>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. See page 7 for photos

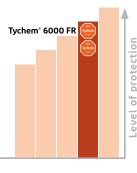
<sup>2</sup>These Tychem<sup>®</sup> 6000 FR garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

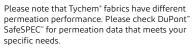
Seams and closures have less barrier than fabric. Note: Not all sizes available in all styles.

38

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield 6 SFR and Tychem 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, Nomex® Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition. for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Users of Tychem® 6000 FR, Tychem® 2000 SFR, and ProShield® 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.





Stock/make to order designations are based on sales volume and production efficiencies. Therefore designations are subject to change without notice.

Seams and closures have less barrier than fabric.

Tvchem

Jacket

Taped seams

Mandarin collar

Zipper closure

Double storm flaps

with hook-and-loop

closure and elastic

Adjustable webbing straps with buckle

at waist (jacket)

SM-4X

closure SM-4X

Bib overall Taped seams

Elastic wrists

Combo suit (jacket and bib overall)

TP750TORXX000200

Note: Not all sizes available in all styles Warning: Most Tychem<sup>®</sup> garments should not be used

around heat, flames, sparks or in potentially flammable or explosive environments

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield® 6 SFR and Tychem® 2000

### Sleeved apron

Taped seams Two buckle closure system 45" long SM-4X

Customer service 1 800 931 3456

dpp.dupont.com

SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments

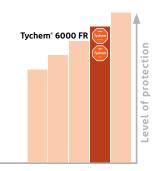


TP275TORXX000200





TP750T



ſvchem

## DuPont<sup>™</sup> Tychem<sup>®</sup> Responder<sup>®</sup> CSM

Original name: Tychem® RESPONDER® CSM

### **Encapsulated Level A**

RC550TTNXX000100 XS-5X RC550TTNXX00017C SM-5X RC550TTNXX00017S MD-4X RC550TTNXX00017W XS-6X

**#** USMCA/TAA COMPLIANT

Front entry Double taped seams Three-layer anti-fog visor system (PVC 40 mil/Teflon" 5 mil/PVC 20 mil) Gas-tight zipper closure Double storm flap with hook-and-loop closure Two Pirelli® exhaust valves Expanded back Attached butyl gloves (mil. spec. glove) Attached socks1 Outer boot flaps

Front

entrv

### Coverall

RC128TTNXX000100 **#** USMCA/TAA COMPLIANT

Double taped seams Attached hood (respirator fit)<sup>2</sup> Zipper closure Double storm flap with hook-and-loop closure Attached butyl gloves (mil. spec. glove) with attached conical cuff for iam fit Attached socks1 Outer boot flaps SM-4X

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont" SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

'These Tychem<sup>®</sup> Responder<sup>®</sup> CSM garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

<sup>2</sup>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. See page 7 for photos

Storm flaps: All taped seam coveralls have a double storm flap with a hook-and-loop closure

205501

Seams and closures have less barrier than fabric. Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield 6 SFR and Tychem 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem® 2000 SFR, and ProShield® 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

Customer service 1 800 931 3456

Tychem<sup>®</sup> Responder<sup>®</sup> CSM

dpp.dupont.com

Tvchem

SM-6X

## DuPont<sup>™</sup> Tychem<sup>®</sup> 10000

Original name: Tychem® TK

### Coverall TK128TLYXX000200 **T** USMCA/TAA COMPLIANT Taped seams Attached hood (respirator fit)<sup>1</sup> Zipper closure Double storm flaps with tape closure Elastic wrists Attached socks<sup>2</sup> Outer boot flaps with elastic



**Encapsulated Level A** TK554TLYXX000100

> TK554TLYXX00015C TK554TLYXX00017S **#** USMCA/TAA COMPLIANT

Rear entry

Expanded back

Knee wear pads

Attached socks<sup>2</sup>

MD-4X

Front entry Double taped seams Front EX (extra-wide) three-layer entry anti-fog visor system (PVC  $\langle \langle \rangle$ 40 mil/Teflon<sup>™</sup> 5 mil/PVC 20 mil) Gas-tight PVC zipper closure Double storm flaps with hook-and-loop closure Two exhaust valves Expanded back Internal adjustment belt Attached internal multi-layer laminate gloves Attached outer butyl or Viton<sup>™</sup> gloves Knee wear pads Attached socks<sup>2</sup> Outer boot flaps with elastic MD-4X

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont' SafeSPEC<sup>™</sup> for permeation data that meets your specific needs

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<sup>1</sup>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. See page 7 for photos

<sup>2</sup>These Tychem<sup>®</sup> 10000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric

or explosive environments Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont" ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>™</sup> Nomex\* Essential (Nomex\* IIIA) or Nomex\* Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem® 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.

Customer service 1 800 931 3456

safespec.dupont.com

safespec.dupont.com

High-level protection against toxic

and corrosive gaseous, liquid and

Suited for hazmat and domestic

Tychem® Responder® CSM provides at

least 30 minutes of protection against

Tychem<sup>®</sup> Responder<sup>®</sup> CSM is tan for

discretionary purposes and features a

Used for military weapon

preparedness situations

>320 chemical challenges

All Tychem® Responder® CSM

All Tychem<sup>®</sup> Responder<sup>®</sup> CSM

suits are USMCA/TAA compliant

encapsulated Level A suits are made

low-visibility patch

in the USA

solid chemicals

demilitarization



## **Encapsulated Level A** TK555TLYXX000100

TK555TLYXX00015C

TK555TLYXX00017S

**T** USMCA/TAA COMPLIANT

Double taped seams EX (extra-wide) three-layer anti-fog visor system (PVC 40 mil/Teflon<sup>™</sup> 5 mil/PVC 20 mil) Gas-tight PVC zipper closure Double storm flaps with hook-and-loop closure Two exhaust valves

Internal adjustment belt Attached internal multi-layer laminate gloves Attached outer butyl or Viton<sup>™</sup> gloves

Outer boot flaps with elastic

Note: Not all sizes available in all styles

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable

Rear entry  $\langle -$ 

Premium protection against toxic and corrosive gaseous, liquid and solid chemicals

Leading garment chosen by hazmat responders worldwide

Extremely durable, puncture- and tear-resistant fabric

Wide range of garment styles, including totally encapsulated, vapor protective Level A and liquid-splash protective Level B suits

Tychem<sup>®</sup> 10000 provides at least 30 minutes of protection against >320 chemical challenges

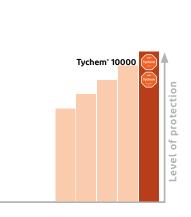
Tychem® TK612T/613T certified to NFPA 1990 (NFPA 1994 Class 2), 2022, Standard for Protective Ensembles for Hazardous Materials and **CBRN** Operations



Tychem<sup>®</sup> 10000 is lime yellow for high visibility

All Tychem<sup>®</sup> 10000 encapsulated suits are USMCA/TAA compliant

All Tychem<sup>®</sup> 10000 encapsulated Level A suits are made in the USA



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### **Encapsulated Level A**

TK552TLYXX00017R **T**USMCA/TAA COMPLIANT

### **BERRY AMENDMENT COMPLIANT**

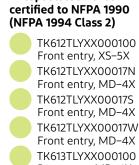
Front entry

Double taped seams Standard three-layer anti-fog visor system (PVC 40 mil/Teflon™ 5 mil/PVC 20 mil) Gas-tight PVC zipper closure Front Double storm flap with entry hook-and-loop closure Two exhaust valves Internal adjustable belt Flat back Attached butyl outer/multi-layer laminate internal gloves Attached socks1 Outer boot flaps with elastic LG-2X

## **Encapsulated Level B**

TK527TLYXX000100 **#** USMCA/TAA COMPLIANT

Front entry Taped seams Standard anti-fog visor system (40 mil PVC) Zipper closure Double storm flaps with hook-and-loop closure Two exhaust vents Expanded back Elastic wrists Attached socks1 Outer boot flaps with elastic SM-4X



Attached socks<sup>1</sup>

Outer boot flaps

with elastic

## Encapsulated Level A—

TK612TLYXX00017W Rear entry, MD-4X **WINCA/TAA COMPLIANT** 



TK613T TK612T laminate/neoprene) Front entry Rear entry



TK554T

Please note that Tychem<sup>®</sup> fabrics have different permeation performance. Please check DuPont™ SafeSPEC<sup>™</sup> for permeation data that meets your specific needs.

Front

entry

Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

'These Tychem<sup>\*</sup> 10000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem<sup>®</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. DuPont<sup>™</sup> ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont" Nomex Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/ balaclava should be worn. Users of Tychem<sup>®</sup> 6000 FR. Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.





## The Glow Worm— News that suits you

Looking to stay informed about regulatory updates? Interested in learning "tips & tricks" from other hazmat professionals? Curious about hazmat and personal protective equipment through history?

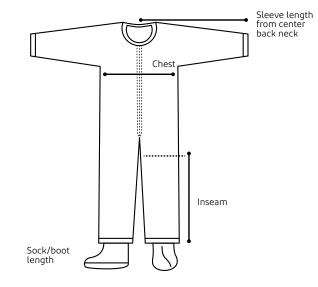
Sign up for a free subscription to The Glow Worm, a quarterly newsletter from DuPont Personal Protection, to get all this information and more.



## Sizing charts

## Garment sizing notes:

- Please check chest measurements for most accurate fit
- Garments are meant to be worn over clothing, so measurements may vary slightly from your standard clothing size
- We suggest you try multiple sizes to find the best fit
- For Level A suit sizing, please refer to the product Technical Data Sheet, found on the individual product page at <u>safespec.dupont.com</u>



## Sizing charts

## Size table for DuPont<sup>™</sup> Tychem<sup>®</sup> garments (not including Level A suits)

Size	Fits chest	Fits height
MD	29 3/4 - 38 3/4	5'0" - 5'7"
LG	38 1/4 - 41 3/4	5'5" - 5'9"
XL	41 1/4 - 44 3/4	5'8" - 6'2"
2X	44 1/4 - 47 3/4	6'0" - 6'4"
ЗХ	47 1/4 - 50 3/4	6'2" - 6'5"
4X	50 1/4 - 54 1/4	6'3" - 6'7"
- 5X	53 3/4 - 57 1/4	6'4" - 6'10"

## Size table for DuPont<sup>™</sup> Tyvek<sup>®</sup> garments

Size	Fits chest	Fits height
MD	30 - 40 1/4	5'0" - 5'7"
LG	38 1/4 - 43 1/4	5'5" - 5'9"
XL	41 1/4 - 46 1/4	5'8" - 6'2"
2X	43 3/4 - 48 3/4	6'0" - 6'4"
3Х	47 3/4 - 52 3/4	6'2" - 6'5"
4X	51 1/4 - 56 1/4	6'4" - 6'7"
5X	54 1/4 - 59 1/4	6'6" - 6'10"
6X	57 3/4 - 62 3/4	6'8" - 7'1"
7X	60 1/4 - 65 1/4	6'10" - 7'4"

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## Size table for DuPont<sup>™</sup> ProShield<sup>®</sup> garments

Size	Fits chest	Fits height
SM	28 3/4 - 33 1/4	5'0" - 5'7"
MD	32 3/4 - 37 1/4	5'3" - 5'7"
LG	36 1/4 - 40 3/4	5'5" - 5'9"
XL	39 3/4 - 44 1/4	5'8" - 6'1"
2X	43 1/4 - 47 3/4	5'10" - 6'3"
3Х	46 3/4 - 51 1/4	6'0" - 6'4"
4X	50 1/4 - 54 3/4	6'3" - 6'7"
5X	53 3/4 - 58 1/4	6'6" - 6'10"
6X	56 1/4 - 60 1/4	6'9" - 7'1"
7X	58 3/4 - 63 1/4	7'0' - 7'4"

## **DuPont Controlled Environments**

DuPont sterile cleanroom garments, designed for single use, offer meaningful advantages in today's challenging cleanroom environments. DuPont materials provide a welcome range of comfort, durability, breathability and protection in a variety of styles, including coveralls, lab coats, gowns, hoods and footwear covers.

## DuPont quality systems for cleanroom garments

DuPont single-use garments for controlled environments offer the following standards of quality:

- The DuPont Controlled Environments quality management system is ISO 9001:2015 registered
- DuPont<sup>™</sup> Tyvek<sup>®</sup> IsoClean<sup>®</sup> sterile garments have a sterility assurance level (SAL) of 10<sup>-6</sup>. Irradiation doses are validated in accordance with ANSI/AAMI/ISO 11137 through bioburden and dose verification testing
- Tyvek<sup>®</sup> IsoClean<sup>®</sup> sterile garments are gamma irradiated in a facility that is registered by ISO 13485 quality standard and adheres to the requirements of ANSI/AAMI/ISO 11137
- A Certificate of Sterility and a Certificate of Compliance come with every shipment of sterile Tyvek<sup>®</sup> IsoClean<sup>®</sup> single-use garments
- Dose audits are conducted quarterly to maintain dose validation
- · Customers are invited to audit our manufacturing and sterilization facilities
- · Quality documentation is readily available on request to help meet customer requirements
- Lot traceability is maintained through garment manufacturing, processing and sterilization

## The superiority of single-use garments from DuPont

DuPont single-use garments offer the following advantages:

## Quality

Single-use garments are not subjected to multiple cycles of wearing, laundering and sterilization, so fabric barrier and strength are consistent and predictable.

### Flexibility

The DuPont single-use apparel program allows you to order only the quantities that you plan to use, which offers flexibility as your needs change.

### Cost control

Single-use garments help eliminate budget uncertainties associated with garment repair, damage and loss, helping you to better predict expenditures.



Among the most popular products in the DuPont Controlled Environments portfolio, Tyvek<sup>®</sup> IsoClean<sup>®</sup> clean-processed and sterile single-use garments offer an ideal balance of protection, durability and comfort.

## Options

- CS Clean-processed and sterile
- **DS** Clean-processed and sterile, double-bagged
- **0S** Sterile
- **TS** Sterile, double-bagged
- **oc** Clean-processed
- PI Packaged individually
- 00 Bulk
- **OB** Bulk

## Controlled environments apparel selection guide

DuPont Controlled Environments garments: DuPont<sup>™</sup> Tyvek<sup>®</sup> IsoClean<sup>®</sup>, DuPont<sup>™</sup> ProClean<sup>®</sup>



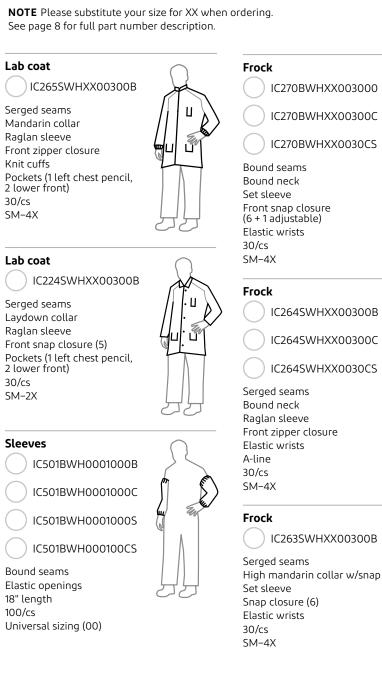
isoclean, Duponi	
ProClean°*	Considerations
Non-sterile	
	Tyvek <sup>®</sup> IsoClean <sup>®</sup> sterile garments offer excellent cleanliness, barrier and sterility assurance level.
	Tyvek <sup>®</sup> IsoClean <sup>®</sup> sterile garments offer excellent cleanliness, barrier and sterility assurance level.
~	Tyvek <sup>®</sup> garments are durable, low- linting and provide an inherent particle barrier. Clean processing and bound seams should be considered for more critical environments.
<b>√</b> + <sup>*</sup>	Tyvek <sup>®</sup> garments provide an inherent barrier against small particles. Bound seam garments offer a higher level of protection than serged seam garments.
<b>√</b> + <sup>+</sup>	ProClean <sup>®</sup> garments provide an effective barrier against a variety of common non- hazardous liquids.
	Use bound seam garments when working with hazardous powders.
e	Please refer to our DuPont" Tychem <sup>®</sup> garment product line for liquid and vapor chemical protection.
e	Please refer to DuPont" Nomex <sup>®</sup> fiber for flame-resistant apparel. Controlled environment garments are not suitable for firefighting activities, nor for protection from hot liquids, steam, molten metals, welding, electric arc or thermal radiation.
	Non-sterile

\*Barrier properties may be compromised through use

## **DuPont Controlled Environments**



## **DuPont Controlled Environments**



Note: All sizes not available in all styles. For one size fits most, use 00 in the part number

Seams and closures have less barrier than fabric.

**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. See page 7 for photos.

48

IC270BWHXX003000 IC270BWHXX00300C

IC270BWHXX0030CS

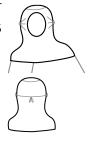


Hood

- IC668BWH0001000B
- IC668BWH0001000C

IC668BWH000100CS

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



## Hood/mask

IC669BWH0001000S

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)







Note: All sizes not available in all styles. For one size fits most, use 00 in the part number Seams and closures have less barrier than fabric.

## **DuPont Controlled Environments**

**NOTE** Please substitute your size for XX when ordering. See page 8 for full part number description. Boot cover Shoe cover Shoe cover—DuPont<sup>™</sup> ProShield<sup>®</sup> 30 IC447SWHXX01000B IC461SWHXX03000B PE440SBUXX020000 SM-XL Serged seams Serged seams IC447SWHXX0100CS Elastic openings Elastic openings MD-2X PVC sole 5.5" height Elastic toe 200/cs (100 pairs) Serged seams Elastic openings 5" high LG-XL Elastic ankles 300/cs (150 pairs) DuPont<sup>™</sup> Gripper<sup>™</sup> sole SM-XL 18" high 100/cs (50 pairs) Shoe cover—ProShield® 30 Boot cover Shoe cover PE440SWHXX020000 IC457SWHXX01000B IC451SWHXX01000B Serged seams Serged seams Elastic openings IC457SWHXX01000S Elastic openings 5.5" height Serged seams Gripper<sup>™</sup> sole 200/cs (100 pairs) 5" high Elastic openings MD-XL 100/cs (50 pairs) Ties at ankles PVC sole SM-XL 18" high 100/cs (50 pairs) SM-XI Boot cover—ProShield® 30 Boot cover PE444SWHXX010000 IC458BWHXX01000B MD-XL Serged seams IC458BWHXX01000C Elastic openings MD-XL Elastic ankles IC458BWHXX0100CS 13" height SM-XL 100/cs (50 pairs) LG-XL Bound seams Elastic openings Ties at ankles Gripper<sup>™</sup> sole 18" high 100/cs (50 pairs)

Note: All sizes not available in all styles. For one size fits most, use 00 in the part number. Seams and closures have less barrier than fabric.

### Customer service 1 800 931 3456

safespec.dupont.com

## Tyvek<sup>®</sup> protective apparel recycling program

DuPont<sup>™</sup> Tyvek<sup>®</sup> is proud to offer a garment recycling program that helps our customers within the continental United States manage used Tyvek<sup>®</sup> and DuPont<sup>™</sup> IsoClean<sup>®</sup> protective apparel and reduce waste. The program includes setup, collection, transportation, storage and recycling of garments.<sup>\*</sup>

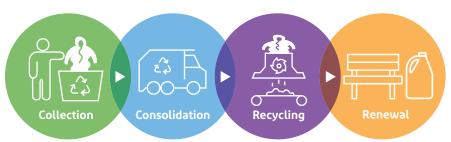
## Why recycle?

The Tyvek<sup>®</sup> protective apparel recycling program offers the chance to divert garments away from landfills and give them a second life in products like containers, lumber pallets and park benches.

## Predicted savings

For every case of 25 Tyvek<sup>®</sup> coveralls that is recycled, 10 lbs. of HDPE are diverted from the waste stream and given a second life in products like pallets and park benches. DuPont offers this service for free to qualifying customers. On an annualized usage basis, the savings really add up.

## Recycling process



## **DuPont sustainability**

We are proud of our role in protecting people at work and we believe that advancing sustainability is an important extension of that role. From product development and manufacturing to packaging, distribution and marketing, we are focused on continuous innovation to advance sustainability along the value chain. The Tyvek\* protective apparel recycling program is easy to participate in and is a cost-effective and responsible choice.

## For more information, call 1-800-931-3456 or contact your local DuPont sales representative. personalprotection.dupont.com

\*DuPont cannot accept used Tyvek\* garments that have been exposed to hazardous materials / dangerous goods (as defined by local, federal or international transportation regulations) and that have not been decontaminated. Hazardous materials / dangerous goods include, among other items, chemicals, Division 6.2 infectious substances, biological products, cultures, patient specimens and regulated medical waste.





Conserve materials and energy



Lower waste-related costs



Increase eligibility for grants and incentives

Boost employee morale



Meet your ISO 14001 goals



Help the environment

# Are your workers really protected?



Workers in chemical manufacturing industries face a variety of on-the-job hazards, including flash fire, sharp edges, punctures and exposure to hazardous chemicals, dust and solvents—to name just a few.

Providing workers with the protection they need for the hazards they face is a major responsibility. DuPont Personal Protection has the in-depth knowledge, unparalleled expertise and broad portfolio of PPE solutions to help keep your workers safe.

DuPont PPE solutions are designed to meet or exceed global standards for protection and performance, including National Fire Protection Association (NFPA), ASTM International, Canadian General Standards Board (CGSB), American National Standards Institute (ANSI), International Organization for Standardization (ISO), International Safety Equipment Association (ISEA) and China GB National Standards.

To help you in the decision-making process, from risk assessment through implementation, we recommend using the 4P methodology:

Predict

Identify all potential risks associated with each activity.

Understand severity and likelihood of risks.

## Provide

Document PPE selected to address each residual risk.

Build awareness with workers about their specific risks and selected PPE.

Train workers on correct use of PPE.

## Protect

Select appropriate PPE to address residual risks.

Ensure PPE meets performance and comfort requirements in the work environment.

Remember, PPE is the last line of defense.

Analyze all activities required for each part of your operation.

## Prevent

Evaluate ways to eliminate hazards.

Make substitutions when possible.

Reduce residual risks with engineering processes or operational changes.

# Chemical manufacturingcreating a variety of products means a variety of hazards

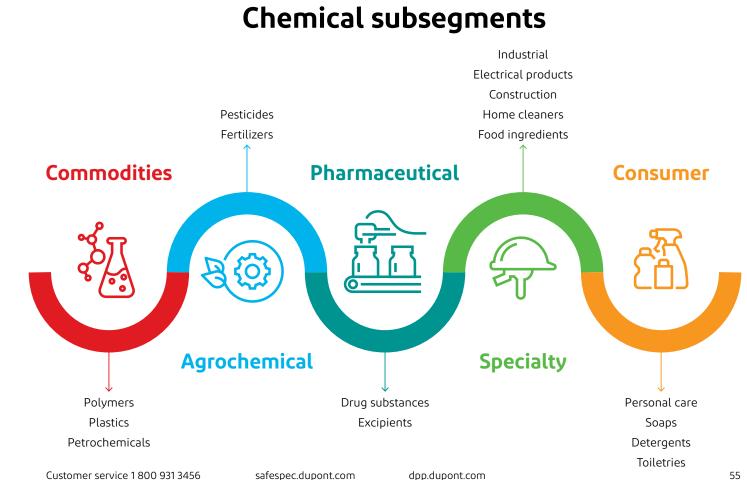
There are five main chemical manufacturing subsegments commodities, agrochemical, pharmaceutical, specialty and consumer. Workers in each of these subsegments manufacture a multitude of different products that are critical to our daily lives.

While doing this critical work, these essential workers are exposed to a variety of hazards ranging from flash fire and hazardous chemicals, dust and solvents to sharp edges and punctures. As a result, health, safety and environment (HSE) managers have many tasks to balance.

DuPont offers a broad range of comprehensive, one-stop PPE solutions to address these hazards and help simplify the PPE selection process, including: garments made with DuPont<sup>™</sup> Nomex<sup>®</sup> fiber for flash fire hazards; DuPont<sup>™</sup> Tyvek<sup>®</sup> garments for protection against fine particle hazards and low level liquid splashes; DuPont<sup>™</sup> Tychem<sup>®</sup> garments for protection against concentrated chemicals; and gloves made with DuPont<sup>™</sup>Kevlar<sup>®</sup> for cut and multi-hazard protection.

DuPont<sup>™</sup> SafeSPEC<sup>™</sup>, our powerful web-based tool, has a full permeation test results database for Tychem<sup>®</sup> fabrics and allows you to search by hazard to help find the right protection. DuPont<sup>™</sup> Thermo-Man<sup>®</sup>, the world's most advanced life-sized thermal burn injury evaluation unit, is used in our technical centers around the world to evaluate the heat and flame resistance that FR garments can deliver in a simulated flash fire.

As an industry leader in chemical manufacturing, DuPont also has a large team of experts around the globe who are available to work side by side with HSE managers to help them navigate the available PPE solutions for each site based on the specific hazards workers face.





## A powerful, innovative fiber

Extremely strong yet lightweight and durable, DuPont<sup>\*\*</sup> Kevlar<sup>®</sup> fiber provides the perfect balance of form and function—redefining performance and pushing the limits of possibility.

Kevlar<sup>®</sup> is a cut- and heat-resistant, lightweight fiber that helps deliver proven protection and performance across a range of industries and applications.

Our new and innovative Kevlar<sup>®</sup> engineered yarns provide workers with high-performing, multi-hazard protection along with premium comfort and fit, resetting the standard for protection.

Only Kevlar<sup>®</sup> fiber can help protect against multiple hazards—including cut, high heat, abrasion, electrical arc, puncture and flame—while keeping workers comfortable. Its cut- and heat-resistant technology helps provide PPE solutions that meet or exceed international standards for protection and performance.





Abrasion



High heat

Electrical arc



Puncture

## Unparalleled heat and flame resistance

A trusted FR brand for workers, DuPont<sup>®</sup> Nomex<sup>®</sup> is an inherently heat- and flame-resistant fiber that won't melt, drip or support combustion, providing protection that's built in and can't be washed out or worn away.

Nomex<sup>®</sup> fiber helps deliver superior heat, flame and arc flash protection against a range of thermal hazards, while providing lightweight, comfortable solutions that meet or exceed industry standards.

The proven performance of Nomex<sup>®</sup> fiber helps provide workers with the protection they need to face their job with confidence.



Heat





Arc flash

# Global reach

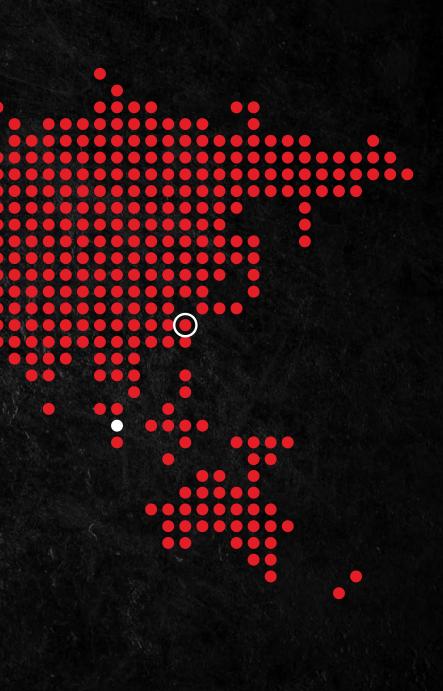
With operations in 96 countries and technical centers staffed with experts across the globe, we are here to provide you with the support you need when choosing the right PPE.

Our DuPont<sup>™</sup> Thermo-Man<sup>®</sup> (life-sized thermal burn injury evaluation) and DuPont<sup>™</sup> Arc-Man<sup>®</sup> (arc flash injury evaluation) units provide compelling demonstrations that help educate industrial workers about the durability and heat, flame and electric arc resistance that DuPont PPE delivers.

O Technical centers O Thermo-Man<sup>®</sup> units O Arc-Man<sup>®</sup> units

58

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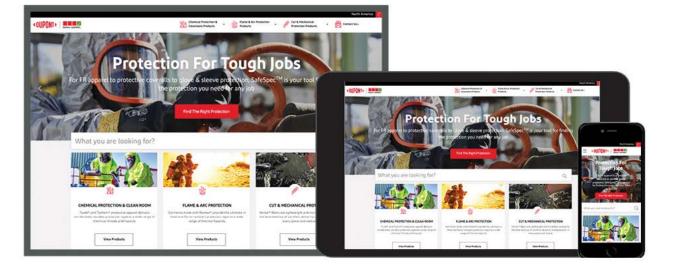


# We're here to help

DuPont<sup>™</sup> SafeSPEC<sup>™</sup>, our powerful web-based tool, can assist you with finding the appropriate DuPont garments for chemical, controlled environment, thermal, electric arc and mechanical hazards.

SafeSPEC<sup>™</sup> has a full permeation test results database for DuPont<sup>™</sup> Tychem<sup>®</sup> fabrics and allows you to search by either hazard or industry to help you find the right protection for the job at hand.

safespec.dupont.com



# < DUPONT >





## Notes


The product information contained is current as of the date of publication, but may be revised as new information is developed. Before relying on any performance data for the purchase or performance of products, you should check **safespec.dupont.com** or contact Customer Service at **1-800-931-3456** to determine whether there is new information that relates to your intended use or application of the product.

## For more information, contact us at 1-800-931-3456. We also offer a 24-hour emergency hotline, 1-800-441-7515.

### It is the responsibility of the user to:

Get trained in the proper use, handling, storage, maintenance and disposal of garments; Review and understand available information about the appropriate use of garments/accessories;

Verify that the garment is appropriate for the user's specific application;

Verify that the garment meets all specified government and industry standards for user's specific application;

Carefully inspect the garment for damage before and after use, including all fabric, seams and closures.

**WARNING:** Cleanroom apparel should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Cleanroom fabrics should have slip-resistant materials on the outer sole of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

WARNING: DuPont<sup>™</sup> Tyvek<sup>\*</sup>, DuPont<sup>™</sup> ProShield<sup>\*</sup>, and most DuPont<sup>™</sup> Tychem<sup>\*</sup> garments should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem<sup>®</sup> 6000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, including but not limited to, DuPont<sup>®</sup> Nomex<sup>®</sup> Essential (Nomex<sup>®</sup> IIIA) or Nomex<sup>®</sup> Comfort garments. In addition, for ProShield<sup>®</sup> 6 SFR and Tychem<sup>®</sup> 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. <u>Users of Tychem<sup>®</sup> 6000 FR, Tychem<sup>®</sup> 2000 SFR, and ProShield<sup>®</sup> 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem<sup>®</sup> User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem<sup>®</sup> garments.</u>

ProShield\* 6 SFR and Tychem\* 2000 SFR coveralls provide only secondary flame-resistant protection. They must always be worn over an appropriate primary flame-resistant garment and primary flame-resistant hood/balaclava in an environment that needs flame protection, along with other personal protective equipment that protects your face, hands and feet. Do not wear non-flame-resistant garments in potentially flammable or explosive environments. Instead, consider use of flame-resistant or secondary flame-resistant garments, which must be worn over primary flame-resistant garments.

Tyvek\* 500, Tyvek\* 600 and Tyvek\* 800 contain natural rubber latex which may cause allergic reactions in some sensitized individuals. Anyone who begins to exhibit an allergic response during the use of DuPont products should immediately cease using these products and should also be reported to DuPont at 1-800-441-3637 (outside the U.S. 1-302-774-1139) so that an investigation can be initiated.

After June 2023, Tyvek\* 500, Tyvek\* 600 and Tyvek\* 800 are manufactured under specifications that exclude components containing natural rubber latex.

Garments should have slip-resistant or antislip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur. Some Tychem<sup>\*</sup> garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Tyvek\* coveralls and ProShield\* 60 coveralls can be considered for use with the appropriate respirators and other suitable PPE to minimize contact with isocyanate paint aerosols. Tyvek\* garments are not appropriate if they are getting wet (paint is dripping or running, or wet to the touch) or if spotting is observed on skin or garments worn under the coveralls. Tychem\* aprons and smocks are available for situations where prolonged liquid exposure may be limited to the front of the torso and/or arms of the wearer. These aprons and smocks can be worn with Tyvek\* to provide localized protection while limiting the level of thermal discomfort.

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience become available. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. This information is intended for use by persons having the technical expertise to undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first check that the garment selected is suitable for the intended use. The end-user should discontinue use of garment if fabric becomes torn, worn or punctured, to avoid potential chemical exposure. Since conditions of use are beyond our control, DUPONT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. This information is not intended as a license to operate under or a recommendation to infringe any trademark, patent or technical information of DuPont or other persons covering any material or its use.



### DuPont<sup>™</sup> SafeSPEC<sup>™</sup>—we're here to help

Our powerful web-based tool can assist you with finding the appropriate DuPont garments for chemical, controlled environment, thermal and mechanical hazards.

safespec.dupont.com



### Certified Industrial Hygienist team

A DuPont Certified Industrial Hygienist can conduct a job hazard assessment to help you determine the best DuPont garment for a specific hazard.



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**ID** DuPont Personal Protection

🔰 @DuPontPPE

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