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Original garment name
DuPont® Tempro®
DuPont® SureStep™
DuPont® NextGen®
DuPont® 3

Original garment name
Tyvek® Dual
Tyvek®
new garment
Tyvek® Xpert
Tyvek® Plus
new garment

Original garment name
new garment
Tychem® QC
new accessory
Tychem® SL
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Tychem® F
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Tychem® RESPONDER® CSM
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One simple system

We’ve updated our SafeSPEC™ 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.

We’ve simplified our product identification system by replacing the original product names with an easy-to-follow numeric system.

For example, Tychem® QC is now Tychem® 2000.

Tyvek® is now Tyvek® 400.

All garment patches are in the shape of a stop sign and each is assigned a color.

DuPont™ Tychem®
Orange

DuPont™ Tyvek®
Blue

DuPont™ ProShield®
Gray

DuPont™ Kevlar®

DuPont™ Nomex®

Sizing charts

Cleanroom garments

Recycling

Chemical manufacturing PPE playbook

Kevlar®

Nomex®

DuPont® Controlled Environments

Tyvek® IsoClean®

Tyvek® MicroClean® 2-1-2

ProShield® 30

Tyvek® protective apparel

DuPont™ Tempro®

DuPont® SureStep™

DuPont® NextGen®

DuPont® 3

Tyvek® Dual

Tyvek®

new garment

Tyvek® Xpert

Tyvek® Plus

new garment

new garment

Tychem® QC

new accessory

Tychem® SL

Tychem® CPF 3

Tychem® F

Tychem® ThermoPro

Tychem® RESPONDER® CSM

Tychem® TK

Tychem® Reflector®
### Heavy chemical exposure

- **Non-hazardous particles**
- **Hazardous particles**
- **Non-hazardous light liquid, splash and aerosols**
- **Flame resistance**

### Light chemical exposure

- **Non-hazardous particles**
- **Hazardous particles**
- **Non-hazardous light liquid, splash and aerosols**
- **Flame resistance**

### Non-hazardous particles

- **Light chemical exposure**
- **Light chemical exposure**
- **Light chemical exposure**
- **Light chemical exposure**

### Flame resistance

- **Light chemical exposure**
- **Light chemical exposure**
- **Light chemical exposure**
- **Light chemical exposure**

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<td>Tychem® Responder® CSM</td>
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<td>Tychem® 6000 FR</td>
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---

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 DuPont technologies such as Tychem® and Tyvek® 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 hazards. 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 observable 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.

Vegetable or gases. is critical for fabrics that are exposed to hazardous liquids, liquids and gases with the barrier fabric. Permeation testing permeate through a fabric even when there is no observed movement of the material through the barrier fabric on 2) permeation testing—appropriate for liquid and gaseous hazards

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

1) penetration testing—appropriate for particle hazards
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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.

**Base catalog number**
The first six characters provide the basic representation of the product.

**Additional product detail**
The remaining characters provide additional product detail and complete the full part number.

**Fabric**
The first two characters are the fabric description.

**Tychem®**
RF 10000 FR
TK 10000
RC Responder® CSM
TP 6000 FR
TF 6000
C3 5000
SL 4000
QC 2000
QC 2000 Tape
QS 2000 SFR
99 Accessories

**Tyvek®**
TJ 800
TY 600
TY 500 HV
TY 500
TY 400
TD 400 D
FC 400 FC

**ProShield®**
PS 70
NS 60
NB 50
PE 30
PB 10
TM 6 SFR

**Seam construction**
Atomic abbreviations
S Serged or sewn
B Bound
T Taped or double taped
See page 7 for details.

**Style**
DuPont offers a wide array of garment styles—from hoods, aprons and coveralls to fully encapsulated suits. Each garment style has a unique three-digit code.

**Color**
Many DuPont garments are available in a range of sizes; refer to catalog descriptions for details.

**Size**
Many DuPont garments are available in a range of sizes; refer to catalog descriptions for details.

**Case count**
The number of garments per case.

**Options**
Abbreviations such as
TV Trade Agreement Act compliant
VP Vend packed

Not all option codes are available for all products; refer to catalog descriptions for details. See next page for abbreviations.

**Case count**
The number of garments per case.

**Option code abbreviations**
- **00** Standard offering
- **09** Size 9 glove
- **10** Size 10 glove
- **11** Size 11 glove
- **0B** Bulk pack
- **2K** Double storm flap w/zipper & hook-and-loop closure
- **5C** Viton® butyl
- **5V** Viton® butyl
- **7C** MSA connector pass-thru CAMDS (#449138) right side
- **7M** MSA dual purpose w/Foster fitting 990060
- **7N** MSA quick fill w/Schraeder fitting 99090
- **7R** MSA dual purpose #495670 Hansen fitting (left front waist)
- **7S** Scott® pass-thru #803820-01 Hansen fitting (right side)
- **7W** Inter spins pass-thru #3969006
- **BN** Berry Amendment compliant
- **CM** White & blue color
- **G1** Reduced case quantity
- **HL** Hook-and-loop

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

- **BH** 50/bag
- **CS** Clean and sterile: clean-processed, individually packaged and sterilized by gamma radiation
- **MP** Multipack
- **O5** Sterile: individually packaged and sterilized by gamma radiation
- **OC** Clean, clean-processed, individually packaged
- **00** or 0B Bulk packaged
- **PI** Individually packaged
- **TS** Sterile, double-bagged

*See pages 46-50 for DuPont Controlled Environments garments.

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

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

**Customer service 1 800 931 3456**
safespec.dupont.com
dpp.dupont.com
### Permeation data

#### Mid level

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<th>Tychem® 4000 SFF</th>
<th>Tychem® 5000 CPT 3</th>
<th>Tychem® 6000 SFB</th>
<th>Tychem® 6000 FR ThinsPep</th>
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**Chemical warfare agents**:

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

### Permeation data

#### High level

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<td>&gt;480</td>
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<tr>
<td>Soman</td>
<td>99-64-0</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>VX nerve agent</td>
<td>50782-69-9</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
</tbody>
</table>

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

**Normalized Breakthrough Time (NBT) shown in minutes**

- **Gases** 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.
- **Gases** are defined by ASTM F739 as the time (in minutes) not noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches 0.1 µg/cm²/min.
- **Actual Breakthrough Time in minutes**

**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 ± 5°C and 50% ± 5% R.H.

- **Procedure DN3-MIL-STD-282, Method T-209 (HD)** or modified for Lewisite, for 8 hours at 10 g/m² (total coverage).
- **Procedure DN3-MIL-STD-282, Method T-208 (GB)** or modified for GA, GD and VX, for 8 hours at 50 g/m² (total coverage).
- **Procedure DN3-MIL-STD-282, Method T-208 (HD)** or modified for GA, GD and VX, for 8 hours at 100 g/m² (total coverage).

### Normalized Breakthrough Time (NBT) shown in minutes

- **Gases** 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.
- **Gases** are defined by ASTM F739 as the time (in minutes) not noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches 0.1 µg/cm²/min.
**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 to select is lengthy and complex. DuPont Personal Protection has tried to reduce some of which to simplify the process and where they are ideally suited for use. DuPont “SafeSpec” is a sophisticated 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 F1600 standard list of challenge chemicals. This tool can be accessed on our website at safespec.dupont.com. To provide a quicker overview of 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.

**Tyvek® and ProShield® products**

Typical general industrial hazards/description/examples

<table>
<thead>
<tr>
<th>Non-hazardous</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particles</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Garment</td>
<td></td>
</tr>
<tr>
<td>Tyvek® 400</td>
<td></td>
</tr>
<tr>
<td>Tyvek® 500</td>
<td></td>
</tr>
<tr>
<td>Tyvek® 500 H</td>
<td></td>
</tr>
<tr>
<td>Tyvek® 600</td>
<td></td>
</tr>
<tr>
<td>Tyvek® 800</td>
<td></td>
</tr>
<tr>
<td>ProShield® 70</td>
<td></td>
</tr>
<tr>
<td>ProShield® 60</td>
<td></td>
</tr>
<tr>
<td>ProShield® 55</td>
<td></td>
</tr>
<tr>
<td>ProShield® 50</td>
<td></td>
</tr>
<tr>
<td>ProShield® 40</td>
<td></td>
</tr>
<tr>
<td>ProShield® 30</td>
<td></td>
</tr>
</tbody>
</table>

- Generally preferred: ≥ Acceptable for use

1. Liquid barrier performance values are 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 permeating, dripping, or it is wet to the touch of Tyvek® or ProShield® garments worn under the protective garment. Soldered 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® 400 and Tyvek® 500 garments use a special type of Tyvek® fabric, which has different physical properties and improved chemical resistance properties when compared to fabric used in the manufacture of Tyvek® garments. A laboratory-tested method used in standard Tyvek® garments are different than the seams for Tyvek® 600 and Tyvek® 500 garments. Tyvek® 600 and Tyvek® 500 garments offer external serged seams, where the seam thread is visible on the outside of the garment, while Tyvek® 600 and Tyvek® 500 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® 2000 and Tychem® 4000 garments with taped seams.


- Generally preferred: ≥ Acceptable for use

3. Garments should have slip-resistant or anti-slip materials on the outer surface of boots, shoes, and other garment surfaces in conditions where slipping could occur. Some Tychem® 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.

4. Tyvek® 400 and ProShield® 60 garments can be considered for use with the appropriate respirators and other suit components to minimize contact with respiratory agent. Tyvek® garments are not appropriate if they are getting wet in a respirator or if the user is getting wet in the respirator. If spotting is observed on the 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.

- Generally preferred: ≥ Acceptable for use

5. 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.

**Product line by hazard**

**DuPont ‘Tychem’ chemical protection products**

Typical chemical hazards/examples

<table>
<thead>
<tr>
<th>Hazardous dry</th>
<th>Powder &amp; solids</th>
<th>Bloodborne pathogens &amp; toxins</th>
<th>Light chemical splash &amp; aerosols</th>
<th>Moderate chemical splash</th>
<th>Potential flash fire exposure &amp; liquid organic corrosives</th>
<th>Heavy liquid chemical splash (hoses &amp; corrosion)</th>
<th>Chemical warfare &amp; gases (toxins &amp; corrosives)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inorganic agents</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VX nerve agent</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical warfare</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxics &amp; corrosives</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
**DuPont™ ProShield® 6 SFR**

Original name: DuPont™ Tempro

Secondary flame-resistant (SFR)

Lightweight, disposable overgarment designed to help protect and preserve primary flame-resistant garments

Provides a barrier against non-hazardous particles and aerosols while not contributing to burn injury

Won’t ignite and continue to burn when exposed to a flame source

ProShield® 6 SFR is blue

**DuPont™ ProShield® 10**

Original name: ProShield® Basic

Coverall

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| TM205BUXX002500 | Serged seams  
Collar  
Zipper closure  
Storm flap  
MD–6X |

Coverall

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| TM212BUXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  
Attached boot covers | MD–7X |

Coverall

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| TM275BUXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  
Attached hood | MD–7X |

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

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.

ProShield® 10 is available in blue or 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.

Warning: ProShield® 10 should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield® 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.

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB205WHXX002500 | Serged seams  
Collar  
Snap closure  
Storm flap  
SM–7X |

Lab coat

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB205BUXX003000 | Serged seams  
Collar  
Two pockets  
SM–7X |

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB225WHXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  
Attched die-resistant boot covers | SM–7X |

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB225BUXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  
SM–7X |

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB275WHXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  | MD–7X |

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB275BUXX002500 | Serged seams  
Attached hood  
Zipper closure  
Elastic wrists  
Elastic ankles  | MD–6X |

**Coverall**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB275GYYXX002500 | Serged seams  
Attached hood  
Zipper closure  
Storm flap  
Elastic wrists  
Elastic ankles  | MD–7X |

**Frock**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB267WHXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Knit cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets (1 left chest pencil, 2 lower front)  
SM–7X |

**Frock**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB271WHXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Elastic wrists  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–7X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |

**Lab coat**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| PB295BUXX003000 | Serged seams  
Mandarin collar  
Set sleeve  
Kirt cuff  
5 Snap closure (6 +1 Adjustable)  
Pockets  
SM–5X |
DuPont™ ProShield® 30
Original name: DuPont™ SureStep™

Boot cover
PE4445WHXX000000
Serged seams
Elastic openings
13" height
100/cs
LG–XL

Shoe cover
PE4405SWHXX020000
Serged seams
Elastic openings
5.5" height
200/cs
MD–XL

DuPont™ ProShield® 50
Original name: new garment

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® 50 is white

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® 50 should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

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® 30 should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

ProShield® 30 is available in blue or white

Spunbonded polypropylene with polyethylene film coating

Slip resistance—both wet and dry

Pe4445SWHXX000000
Serged seams
Elastic openings
13" height
100/cs
LG–XL

ProShield® 30

DuPont™ ProShield® 50

Coverall
NB1205WHXX002500
Serged seams
Collar
Storm flap
SM–6X

Proshield® 50

DuPont™ ProShield® 50

Coverall
NB120SWHXX002500
Serged seams
Collar
Storm flap
SM–6X

Apron
NB373WHX000000
Bound seams
Bound neck and ties
Bib style
28" x 36"
One size fits most

Sleeves
NB5005WHXX0200YU
Serged seams
Elastic openings
24" length
One size fits most

Level of protection

Level of protection
**DuPont™ ProShield® 60**

Original name: ProShield® NexGen

- **Coverall**
  - NG025WHXX0002500
  - Serged seams
  - Collar
  - Zipper closure
  - Storm flap
  - Elastic ankles
  - SM–6X

- **Apron**
  - NG273WHXX00010000
  - Bound seams
  - Bound neck and ties
  - RB style
  - 28” x 36”
  - One size fits most

- **Lab coat**
  - NG217WHXX00010000
  - Serged seams
  - Collar
  - Snap closure
  - Two pockets
  - SM–4X

**DuPont™ ProShield® 70**

Original name: ProShield® 3

- **Shoe cover**
  - P34505GYD002000LG
  - Serged seams
  - Elastic openings
  - 8.25” height
  - ProShield® 70 fabric
  - Skid resistant
  - 200/cs (100 pairs)
  - One size fits most

- **Boot cover**
  - P34507GYX00100000
  - Serged seams
  - Elastic openings
  - 10” height
  - ProShield® 70 fabric
  - Skid resistant
  - 100/c (50 pairs)
  - One size fits most

**ProShield® 60**

- **Coverall** NG025WHXX0002500
- **Apron** NG273WHXX00010000
- **Lab coat** NG217WHXX00010000

**ProShield® 70**

- **Shoe cover** P34505GYD002000LG
- **Boot cover** P34525GYXX00100000

Barrier against a variety of non-hazardous aerosols, liquids and dry particles

- Microporous film laminated to a nonwoven fabric
- Uses include automotive refinishing, waste cleanup and sanitation engineering
- ProShield® 60 is white
- ProShield® 70 is gray
- LG = 8.25” high shoe cover

**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.

**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:** ProShield® 70 should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield® 70 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.
Tyvek® 400 D garments provide an ideal balance of comfort, durability and protection for workers.

Comfort fit design helps enable a greater range of movement while stretching and bending. Designed for very specific applications where demanding comfort requirements are combined with limited protective requirements for frontal exposures.

Well suited for workers who are involved in a variety of strenuous activities that can lead to heat stress in applications that include:

- Wind turbine manufacturing
- Composites manufacturing
- Boat manufacturing
- Remodeling
- Utilities
- Maintenance
- Glass manufacturing

Front with hood

Rear view

Tyvek® 400 fabric on the front and hood

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

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

Tyvek® 400 fabric's durability delivers a consistently better barrier, even after wear and abrasion.

Tyvek® 400 is white.

ProShield® 10 fabric on the back

ProShield® 10 fabric has been optimized for comfort, softness and breathability.

ProShield® 10 fabric is designed for non-hazardous dry particle and light liquid splash applications.

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

ProShield® 10 is blue.

Warning: Tyvek® and ProShield® should not be used around heat, flames, spatter or in potentially flammable or explosive environments.

Garments made of Tyvek® and ProShield® 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.

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™ Tyvek® 400

**Original name:** Tyvek®

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frock</td>
<td>TY210SWHXX003000</td>
<td>One size fits most</td>
</tr>
<tr>
<td></td>
<td>SM–5X</td>
<td>Shoulder length 18”</td>
</tr>
<tr>
<td></td>
<td>MD–4X</td>
<td>200/cs (100 pairs)</td>
</tr>
<tr>
<td></td>
<td>SM–7X</td>
<td>5” height, Elastic ankles</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seoul length 28” x 36”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elastic openings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serged seams</td>
</tr>
<tr>
<td>Lab coat</td>
<td>TY212SWHXX003000</td>
<td>One size fits most</td>
</tr>
<tr>
<td></td>
<td>SM–5X</td>
<td>18” height, Elastic ankles</td>
</tr>
<tr>
<td></td>
<td>MD–4X</td>
<td>200/cs (100 pairs)</td>
</tr>
<tr>
<td></td>
<td>SM–7X</td>
<td>5” height, Elastic ankles</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seoul length 28” x 36”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elastic openings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serged seams</td>
</tr>
<tr>
<td>Apron</td>
<td>TY273BWHXX010000</td>
<td>One size fits most</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound seams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound neck &amp; tie</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bib style 28” x 36”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One size fits most</td>
</tr>
<tr>
<td>Apron</td>
<td>TY273BWHXX020000</td>
<td>One size fits most</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound seams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound neck &amp; tie</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bib style 28” x 36”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One size fits most</td>
</tr>
<tr>
<td>Apron</td>
<td>TY273BWHXX020000</td>
<td>One size fits most</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound seams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bound neck &amp; tie</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bib style 28” x 36”</td>
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<tr>
<td></td>
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<td>One size fits most</td>
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<tr>
<td>Apron</td>
<td>TY273BWHXX030000</td>
<td>One size fits most</td>
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<tr>
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<td></td>
<td></td>
<td>Bound neck &amp; tie</td>
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<tr>
<td></td>
<td></td>
<td>Bib style 28” x 36”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One size fits most</td>
</tr>
<tr>
<td>Boot cover</td>
<td>TY454SWHXX0050SP</td>
<td>Tyvek® fabric</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serged seams</td>
</tr>
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<td></td>
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<td>One size fits most</td>
</tr>
<tr>
<td>Boot cover</td>
<td>TY454SWHXX020000</td>
<td>Tyvek® fabric</td>
</tr>
<tr>
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<td>Elastic openings</td>
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<td>18” height</td>
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<td>TY500SWHXX020000</td>
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<td>18” length</td>
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<td>One size fits most</td>
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<tr>
<td>Sleeve</td>
<td>TY500SWHXX020000</td>
<td>Tyvek® fabric</td>
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</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>18” length</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One size fits most</td>
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</tbody>
</table>
DuPont™ Tyvek® 500 HV
Original name: new garment

Durability and breathability of Tyvek®
Ideal when working in dangerous environments, darkness or poor weather conditions
Tyvek® 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® 500 HV stripes/bands are oriented with a distinctive symmetric “X” on the back for additional safety.

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.

Tyvek® 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
Chemical protective clothing, Category III Type 5-B and 6-B
Tyvek® 500 is white

Tyvek® 600 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material available only from DuPont
Tyvek® 600 Type 4/5/6 coveralls offer the following safety and comfort benefits:
• Chemical protective clothing, Category III Type 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)
• Fabric and seams offer chemical permeation barrier to low concentration water-based inorganic chemicals
Tyvek® 600 is white
PI = Packaged individually

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.

Tyvek® 500

Tyvek® 600

Tyvek® 500 — Tyvek® 600

Level of protection

Level of protection

DuPont™ Tyvek® 500 and Tyvek® 600
Original names: Tyvek® Xpert and Tyvek® Plus

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® 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.

Tyvek® 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
Chemical protective clothing, Category III Type 5-B and 6-B
Tyvek® 500 is white

Tyvek® 600 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material available only from DuPont
Tyvek® 600 Type 4/5/6 coveralls offer the following safety and comfort benefits:
• Chemical protective clothing, Category III Type 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)
• Fabric and seams offer chemical permeation barrier to low concentration water-based inorganic chemicals
Tyvek® 600 is white
PI = Packaged individually

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.
### Tyvek® 800 Garments

Tyvek® 800 garments combine resistance to low-concentration, water-based, inorganic chemicals (even under pressure) with the durability of Tyvek® 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

**Elastic wrists**

**Storm flap**

**Attached hood (respirator fit)**

**Taped seams**

**Coverall**

*Warning:* Tyvek® should not be worn 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.

### Tychem® 2000 SFR Garments

Tychem® 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™ Nomex®.

**Elastic wrists**

**Storm flap**

**Attached hood**

**Taped seams**

**Coverall**

*Warning:* Tychem® 2000 SFR garments offer secondary flame protection and are designed to be used over primary flame-resistant (FR) garments like those made with DuPont™ Nomex®. For overlying FR hoods, appropriate FR hoods should be worn.

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.

### DuPont™ Tyvek® 800

Original name: new garment

**SM–5X**

5-B and 6-B

Category III type 3-B, 4-B, and 6-B

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

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

Tyvek® 800 is white

PI = Packaged individually

**Coverall**

**TJ198TWX00025PI**

Taped seams

Attached hood (respirator fit)

Zipper flap

Elastic wrists

Elastic ankles

CE certified

**Category II** type 3-B, 4-B, 5-B and 6-B

**SM–7X**

Elastic ankles

Elastic wrists

Zipper closure

Taped seams

Coverall

*Warning:* Tyvek® should not be used around heat, hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

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

### DuPont™ Tychem® 2000 SFR

Original name: new garment

**QS127TGRXX000400**

Taped seams

Attached hood

Zipper closure

Storm flap with tape closure

Elastic wrists

Attached socks

Outer boot flaps with elastic

**SM–6X**

**QS750TGRXX000400**

**QS275TGRXX001200**

Taped seams

Mandarin collar

Elastic wrists

Double storm flap with hook-and-loop closure

Loop closure

**Jacket**

**QS127TGRXX000400**

Taped seams

Mandarin collar

Elastic wrists

Double storm flap with hook-and-loop closure

**Aporn**

**QS127TGRXX0001200**

Taped seams

Hook-and-loop neck closure

**Bib overall**

*Warning:* Tychem® 2000 SFR garments are appropriate per NFPA 2112 Section 5.1.9

Tychem® 2000 SFR is green for discretionary purposes and features a low-visibility patch.
### DuPont™ Tychem® 2000

**Original name:** Tychem® QC

#### Coveralls

<table>
<thead>
<tr>
<th>Style Code</th>
<th>Description</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>QC120SYXX1001200</td>
<td>Stock/make to order designations are subject to change without notice. Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. Product® S-38FR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for Product® S-38FR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Due to the Tychem® QC 2000 tape, should not be used around heat, flames, sparks or in potentially flamable or explosive environments.</td>
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<td>QC120BYLXX1001200</td>
<td>Stock/make to order designations are subject to change without notice. Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. Product® S-38FR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for Product® S-38FR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Due to the Tychem® QC 2000 tape, should not be used around heat, flames, sparks or in potentially flamable or explosive environments.</td>
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<td>Stock/make to order designations are subject to change without notice. Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. Product® S-38FR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for Product® S-38FR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Due to the Tychem® QC 2000 tape, should not be used around heat, flames, sparks or in potentially flamable or explosive environments.</td>
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<td>MD–8X</td>
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**Note:** Not all sizes available in all styles.

#### Aprons

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<td>QC275BYLXX1002500</td>
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<td>SM–6X</td>
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**Note:** Not all sizes available in all styles.

#### Sleeve

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

#### Tape

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

#### Tychem® QC 2000 Level of Protection

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<th>Description</th>
<th>Example</th>
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<tr>
<td>0</td>
<td>No specific protection or barrier claim.</td>
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<tr>
<td>1</td>
<td>Limited liquid splash protection</td>
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<td>6</td>
<td>Light liquid splash protection</td>
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**Note:** Not all sizes available in all styles.

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<td>6</td>
<td>Light liquid splash protection</td>
<td></td>
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</tbody>
</table>

**Note:** Not all sizes available in all styles.
Effective protection against a range of chemicals

Uses include waste management, hazardous response and nuclear environments.

Tychem® 4000 is chemical barrier film laminated to Tyvek® fabric.

Rugged and durable

Tychem® 4000 is white for high visibility

Tychem® 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

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

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® garments, including Tychem® 2000 SFR, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, 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.

Consult the Tychem® User Manual, located on the website, for instructions on proper use, care and maintenance of your Tychem® garments.

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® garments, including Tychem® 2000 SFR, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, 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.

Consult the Tychem® User Manual, located on the website, for instructions on proper use, care and maintenance of your Tychem® garments.
Tychem® 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 responder applications.

Tychem® 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® 5000 is tan for domestic preparedness materials/waste cleanup, industrial petrochemical handling, hazardous chemical challenges.

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

Tychem® 5000 is a multi-layer barrier film laminated to a durable fabric.

Tychem® 5000 provides at least 30 minutes of protection against >145 chemical challenges.

Strong and durable garments with broad chemical barrier.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC® 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.

See page 7 for photos.
Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Please check SafeSPEC™. Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. For details, contact DuPont. 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® garments.

DuPont™ Tychem® 5000
Original name: Tychem® CPF 3

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ for permeation data that meets your specific needs. Stock/inventory designations are subject to change without notice. Stock/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.

Warning: Most Tychem® garments, including Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Note: Not all sizes available in all styles.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. For more details, contact DuPont. 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® garments.

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DuPont™ Tychem® 6000
Original name: Tychem® F

Widely used by military personnel and first responders for chemical warfare agent situations.

Strong and durable with a broad chemical barrier.

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

Successfully tested by Edgewood Chemical Biological Center in Aberdeen, MD.

Tychem® 6000 is a barrier film laminated to Tyvek®.

Tychem® 6000 provides at least 30 minutes of protection against >180 chemical challenges.

Tychem® 6000 is available in gray for discretionary purposes with a low-visibility patch.


Note: Not all sizes available in all styles.

Warning: Most Tychem® garments, including Tychem® 2000 tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield®® SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield®® SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Users of Tychem® 10000 FR, Tychem® 6000 FR, Tychem® 2000 FR and ProShield®® SFR garments should be knowledgeable on disposals procedures.

For a complete list of Tychem® garments, please visit www.safespec.dupont.com.

Customer service 1 800 931 3456 safespec.dupont.com dpp.dupont.com

Only TV option codes are TAA compliant.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ 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.

Please check SafeSPEC™ for permeation data that meets your specific needs.

Storm flaps:
- Attached hood (respirator fit)
- Taped seams
- Attached butyl gloves
- Storm flap with tape closure
- Attached socks
- Elastic wrists
- Elastic ankles
- Horizontal zipper
- Attached multi-layer laminate gloves
- Attached socks
- Reinforced waist and knees for added protection

Elastomeric face seal

Elastic ankles

Coverall—certified to NFPA 1992

Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Storm flap with tape closure
- Attached butyl gloves
- Attached socks
- Elastic wrists
- Elastic ankles

SM–5X

SM–7X

SM–5X

MD–LG

XL–5X

TSA COMPLIANT

TSA COMPLIANT

See page 7 for photos.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield®® SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield®® SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/balaclava should be worn. Users of Tychem® 10000 FR, Tychem® 6000 FR, Tychem® 2000 FR and ProShield®® SFR garments should be knowledgeable on disposals procedures.

For a complete list of Tychem® garments, please visit www.safespec.dupont.com.

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Seams and closures have less barrier than fabric.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ 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.
**DuPont™ Tychem® 6000 FR**

**Original name: Tychem® ThermoPro**

**Flame-resistant (FR)**

Provides triple hazard protection from chemicals, flash fire and electric arc, combining the trusted chemical protection of Tychem® with the flame and arc flash protection of Nomex® into a single garment.

Tychem® 6000 FR 1987/1997 exceed the Hazard Risk Category 2 requirement of 8 cal/cm² outlined in NFPA 70E®, Standard for Electrical Safety in the Workplace

Conducted for heavy use, yet lightweight and easy to wear

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

Tychem® 6000 FR has an arc rating of 15 cal/cm² Ebt

Tychem® 6000 FR is orange for high visibility

---

**Coverage—certified to NFPA 1992 and meets NFPA 70E**

*Category 2*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP198TORXX000200</td>
<td>Taped seams Attached hood with drawstring (respirator fit) Zipper closure Double storm flaps with hook-and-loop closure Elastic wrists Attached socks Outer boot flaps SM–4X</td>
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<tr>
<td>TP198TORXX000202BN</td>
<td>Berry Amendment compliant</td>
</tr>
</tbody>
</table>

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

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC® for permeation data that meets your specific needs.

Stock/no stock 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. Note: Not all sizes are available in all styles.

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**Warning:** Most Tychem® garments, including Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem® 6000 FR and Tychem® 12000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® IIIA or Nomex® Comfort garments.

In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hoods/balaclavas should be worn. Users of Tychem® 10000 FR, Tychem® 2000 FR, Tychem® 12000 FR, 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® garments.

---

**Sleeved apron**

TP275TORXX000200

Taped seams

Two buckle closure system

45” long

SM–4X

**DuPont™ Tychem® 6000 FR**

**Original name: Tychem® ThermoPro**

**TP198T**

**Original name: Tychem® ThermoPro**

**TP750T**
Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC® for permeation data that meets your specific needs.

Guide to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice. “These Tychem® Responders® 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.”

“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 hook-and-loop closure. Seams and closures have less barrier than fabric.

High-level protection against toxic and corrosive gaseous, liquid and solid chemicals

Used for military weapon demilitarization

Suiited for Hazmat and domestic preparedness situations

Tychem® Responders® CSM is multiple barrier films laminated to both sides of a strong substrate fabric

Tychem® Responders® CSM provides at least 30 minutes of protection against ≥320 chemical challenges

Tychem® Responders® CSM is tan for discretionary purposes and features a low-visibility patch

All Tychem® Responders® CSM suits are USMCA/TAA compliant

All Tychem® Responders® CSM encapsulated Level A suits are made in the USA

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC® for permeation data that meets your specific needs.

Guide to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice. “These Tychem® Responders® 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.”

“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 hook-and-loop closure. Seams and closures have less barrier than fabric.

High-level protection against toxic and corrosive gaseous, liquid and solid chemicals

Used for military weapon demilitarization

Suiited for Hazmat and domestic preparedness situations

Tychem® Responders® CSM is multiple barrier films laminated to both sides of a strong substrate fabric

Tychem® Responders® CSM provides at least 30 minutes of protection against ≥320 chemical challenges

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All Tychem® Responders® CSM suits are USMCA/TAA compliant

All Tychem® Responders® CSM encapsulated Level A suits are made in the USA

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC® for permeation data that meets your specific needs.

Guide to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice. “These Tychem® Responders® 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.”

“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 hook-and-loop closure. Seams and closures have less barrier than fabric.
DuPont™ Tychem® 10000
Original name: Tychem® TK

Encapsulated Level A—certified to NFPA 1994 Class 2

TK612TLYXX00017N
Front entry, MD-4X

TK612TLYXX000100
Front entry, X5-5X

TK612TLYXX00017TN
Front entry, MD-4X

TK612TLYXX00017TS
Front entry, MD-4X

TK612TLYXX00017T
Front entry, MD-4X

TK612TLYXX000110
Rear entry, MD-4X

Double taped seams
Standard three-layer face shield (PVC 40 mil/Teflon™ 5 mil/ PVC 20 mil)
Gas-tight PVC zipper closure
Double storm flap with 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

DuPont™ Tychem® 10000 FR
Original name: Tychem® Reflector

Fully encapsulated Level A Tychem® 10000 FR—certified to NFPA 1999

RF600TSSVXX00017N
SM-4X

RF600TSSVXX000100
SM-4X

RF600TSSVXX00017M
MD-4X

RF600TSSVXX00017TS
MD-4X

RF600TSSVXX00017T
LG–4X

RF600TSSVXX000110
LG–4X

Front entry
Double taped seams
Three-layer (PVC 40 mil/Teflon™ 5 mil/ PVC 40 mil) face shield
Gas-tight zipper closure
Double storm flaps with hook-and-loop closure
Two Pirelli® exhaust valves
Expanded back
Glove liners
Multi-layer attached gloves
Multi-layer laminate/neoprene/ Kevlar® knv
Attached socks1
Outer boot flaps

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC®, for permeation data that meets your specific needs.

Stock/Make to order designations are subject to change without notice.

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

These Tychem® 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.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® & SIR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort Flame-resistant garments. In addition, for ProShield® & SIR and Tychem® 10000 FR, Tychem® 10000 FR—Encapsulated Level A garments have attached socks made of the garment material. 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.

Warning: Most Tychem® garments, including Tychem® 10000, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC®, for permeation data that meets your specific needs.

Stock/Make to order designations are subject to change without notice.

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

These Tychem® 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.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® & SIR and Tychem® 10000 FR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort Flame-resistant garments. In addition, for ProShield® & SIR and Tychem® 10000 FR, Tychem® 10000 FR—Encapsulated Level A garments have attached socks made of the garment material. 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.

Warning: Most Tychem® garments, including Tychem® 10000, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC®, for permeation data that meets your specific needs.

Stock/Make to order designations are subject to change without notice.

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

These Tychem® 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.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® & SIR and Tychem® 10000 FR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort Flame-resistant garments. In addition, for ProShield® & SIR and Tychem® 10000 FR, Tychem® 10000 FR—Encapsulated Level A garments have attached socks made of the garment material. 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.

Warning: Most Tychem® garments, including Tychem® 10000, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC®, for permeation data that meets your specific needs.

Stock/Make to order designations are subject to change without notice.

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

These Tychem® 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.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® & SIR and Tychem® 10000 FR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort Flame-resistant garments. In addition, for ProShield® & SIR and Tychem® 10000 FR, Tychem® 10000 FR—Encapsulated Level A garments have attached socks made of the garment material. 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.

Warning: Most Tychem® garments, including Tychem® 10000, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.
DuPont™ Tychem® accessories

Tychem® 10000 fully encapsulated training suit
TKS865LYX000100
Front entry, MD–4X
TKS865TLY000100
Front entry, MD–6X
TKS875LYX000100
Rear entry, MD–4X

● VOMC/ATA/CAU COMPLIANT
● EX (extra-wide) face shield (20 mil PVC)

Zipper closure
Storm flap over zipper
Internal waist belt
Expanded back
Attached butyl gloves
Attached socks
Outer boot flaps

Clearly labeled as a training suit

Pirelli® adapters for test kits
9999000000000100
Adapters to test DuPont® Tychem® Level A suits

Auer® adapters for test kits
9916000000000100
Adapters to test DuPont® Tychem® Level A suits

Universal pressure test kit
99081000000001UV
The universal pressure test kit is designed for periodic air pressure testing on all Level A fully encapsulated suits. This compact, lightweight kit is completely self-contained, requiring no external air supply.

Input voltage 85–264 vac @ 47–63 Hz or 120–370 vdc

Finger ring assembly—Male glove insert
99961000000002DL

Auer® adapters for test kits
9911600000000100
Adapters to test DuPont™ Tychem® Level A suits

Pirelli® adapters for test kits
9993900000000100
Adapters to test DuPont™ Tychem® Level A suits

Universal pressure test kit
99081000000001UV

Pirelli® exhaust diaphragm
9912200000000100 1/cs
9912200000000200 2/cs
9912200000000300 3/cs
Replacement valves for Level A suits

Pirelli® air relief exhaust valve
9993700000000100
Replacement valves for Level A suits

Glove ring assembly—Male glove insert
99961000000002DL

Warning: Most Tychem® garments, including Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosion environments.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. In addition, for ProShield® 6 SFR and Tychem® 2000 SFR hooded garments, primary flame-resistant hood/faceshield should be worn. Users of Tychem® 10000 FR, Tychem® 6000 FR, ProShield® 6 SFR, or Tychem® 2000 SFR should wear personal protective equipment that is suitable for use in a fire, heat, flame, and smoke environment. Consult the Tychem® User Manual located on our website for instructions on proper use, care and maintenance of your Tychem® garments.

Sizing charts

Sizing for protective garments

Sizing for fully encapsulated suits

This chart is based on individuals wearing SCBA, safety helmet and standard work clothing. Fit varies with individual body shape.
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® Tyvek® IsoClean® sterile garments have a sterility assurance level (SAL) of 10⁻⁶. Irradiation doses are validated in accordance with ANSI/AAMI/ISO 11137 through bioburden and dose verification testing
- Tyvek® IsoClean® 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® IsoClean® 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® IsoClean® clean-processed and sterile single-use garments offer an ideal balance of protection, durability and comfort.

### Options

<table>
<thead>
<tr>
<th>Clean-processed sterile</th>
<th>Clean-processed non-sterile</th>
<th>Sterile</th>
<th>Non-sterile</th>
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</thead>
<tbody>
<tr>
<td>CS Clean and sterile, clean-processed, individually packaged and sterilized by gamma irradiation</td>
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<td></td>
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<tr>
<td>TS Sterile, double-bagged and sterilized by gamma irradiation</td>
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<td></td>
</tr>
<tr>
<td>OS Sterile, individually packaged and sterilized by gamma irradiation</td>
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<td>OC Clean, clean-processed, individually packaged</td>
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<td>00 Bulk packaged</td>
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<td>PI Individually packaged</td>
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<td>50/50 bag</td>
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<td>MP Multipack</td>
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### Environments

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<th>ISO Class 5 and 8 Bioburden Control Areas (Former FED-STD-209E, Class 1000, 10,000 and 100,000)</th>
<th>ISO Class 5 and 8 Bioburden Control Areas (Former FED-STD-209E, Class 1000, 10,000 and 100,000)</th>
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<td>Sterile</td>
<td>Bulk non-sterile</td>
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### Hazards

- Non-hazardous dry particles
- Non-hazardous, light liquid splash
- Hazardous powders
- Hazardous liquid splash
- Electric arc
- Industrial fire hazard

### Considerations

- Tyvek® IsoClean® sterile garments offer excellent cleanliness, barrier and sterility assurance level.
- Tyvek® IsoClean® sterile garments offer excellent cleanliness, barrier and sterility assurance level.
- Tyvek® IsoClean® provides an inherent barrier against small particles. Bound seam garments offer a higher level of protection than serged seam garments.
- ProClean® provides an effective barrier against a variety of common non-hazardous liquids.

### Do Not Use

- Barrier properties may be compromised through use.
- Resistant individually.

### Comparison within the DuPont portfolio

- Barrier properties may be compromised through use.
- Resistant individually.

** Packaged individually.
* Barrier properties may be compromised through use.
** Resistant individually.

(Blank) Not recommended.

** Packaged individually.
* Barrier properties may be compromised through use.
** Resistant individually.
DuPont Controlled Environments

NOTICE: Please substitute your size for XX when ordering. See page 8 for full part number description.

Coverall

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Sleeves

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Shoe cover

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Hood

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Hood/mask

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Customer service 1 800 931 3456 safespec.dupont.com controlledenvironments.dupont.com

---

Tyvek® IsoClean®

Made from Tyvek® brand flash-spun polyolefin protective material. Unique, patented flash-spinning process creates a barrier to dry particles, microorganisms and non-hazardous liquids. Comfortable, lightweight and durable garments available in a variety of sizes to fit most use 00 in the part number.

NOTES:

- Seams and closures have less barrier than fabric.
- Fits most use 00 in the part number.
- Note: All sizes not available in all styles. For one size fits most use 00 in the part number.
- Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods slip over the neck. See page 7 for photos.

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DuPont Controlled Environments

NOTE: Please substitute your size for XX when ordering. See page 6 for full part number description.

Coverall

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Sleeves

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Boot cover

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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.

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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

**Shoe cover—ProShield® 30**

- PE440SBUXX020000
- Serged seams
- Elastic openings
- 5.5” height
- 200/cs (100 pairs)
- LG–XL

**Boot cover—ProShield® 30**

- PE444SWHXX010000
- Serged seams
- Elastic openings
- Elastic ankles
- 13” height
- 100/cs (50 pairs)
- LG–XL

Made from Tyvek® brand flashspun polyolefin protective material
Coated on both sides with proprietary 2-1-2 blue polymeric resin
Antistatic treated
Garments available gamma sterilized to an SAL of 10^-6
Traceability on all sterilized apparel

**NOTE:** Please substitute your size for XX when ordering. See page 8 for full part number description.

**Why recycle?**

The Tyvek® 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® coveralls that is recycled, 10 lbs. of Tyvek® 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**

1. Collection
2. Consolidation
3. Recycling
4. Renewal

**DuPont sustainability**

Sustainability is at the core of what we do—from reducing our operational footprint and creating market-facing sustainable solutions to addressing the global challenges of the future. This program is yet another example of the DuPont commitment to sustainability. 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

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

Customer service 1 800 931 3456      safespec.dupont.com      dpp.dupont.com

Customer service 1 800 931 3456      safespec.dupont.com      dpp.dupont.com

**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**

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.
Because everyone has someone depending on them to get home safely

DuPont is more focused than ever on providing innovative protection solutions and expert technical support tailored to meet the specific needs of workers in chemical manufacturing industries around the world.

Because their safety is our business, workers in the chemical manufacturing industries can rely on the world-class people, products and innovation that have made DuPont a trusted partner in personal protection.

With a wide range of industry-leading personal protective equipment (PPE) solutions and a global network of PPE specialists, technical experts and manufacturing, DuPont is uniquely suited to provide the protection and comfort every worker deserves to face a range of workplace hazards with confidence.

Our brands

Nomex®
DuPont™ Nomex® offers a tested and proven portfolio of protective solutions that continues to meet or exceed global standards for heat, flame and electric arc flash protection.*

Kevlar®
Gloves made with DuPont™ Kevlar® offer industry-leading cut protection, built-in heat and flame resistance and electric arc flash protection, while providing the dexterity and comfort workers want.

Tyvek®
DuPont™ Tyvek® garments provide workers with superior protection from small-sized hazardous particles, including lead, asbestos and mold. And because protection is built into the fabric itself, there are no films or laminates to abrade or wear away.

Tychem®
DuPont™ Tychem® garments deliver durable protection and offer strong permeation barrier against a wide range of chemicals.

*For high arc-rated solutions, visit dpp.dupont.com for available Nomex® layering systems.
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) 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**
- Analyze all activities required for each part of your operation.
- 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.

**Prevent**
- Evaluate ways to eliminate hazards.
- Make substitutions when possible.
- Reduce residual risks with engineering processes or operational changes.
Chemical manufacturing—creating 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: Nomex® garments for flash fire hazards; Tyvek® garments for protection against fine particle hazards and low level liquid splashes; Tychem® garments and tape for protection against concentrated chemicals; and gloves made with Kevlar® for cut and multi-hazard protection.

DuPont™ SafeSPEC™, our powerful web-based tool, has a full permeation test results database for Tychem® fabrics and allows you to search by hazard to help find the right protection. DuPont™ Thermo-Man®, 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, Kevlar® provides the perfect balance of form and function—redefining performance and pushing the limits of possibility.

Kevlar® is a cut- and heat-resistant, lightweight fiber that delivers proven protection and performance across a range of industries and applications.

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

Only Kevlar® 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.

Unparalleled heat and flame resistance

A trusted FR brand for workers, Nomex® 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® 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® helps provide workers with the protection they need to face any job with confidence.
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 Thermo-Man™ (life-sized thermal burn injury evaluation) and Arc-Man™ (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 Safety PPE delivers.
We’re here to help

DuPont™ SafeSPEC™, 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™ has a full permeation test results database for Tychem® 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
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 all 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:** Tyvek®, ProShield®, and most Tychem® garments, including Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments.

Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, 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®, 10000 FR, 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® garments.

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. 1-920-794-9109).

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® 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® 600 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™ SafeSPEC™—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.

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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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