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<th>ProShield® garments</th>
<th>Original garment name</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 ProShield® 6 SFR</td>
<td>DuPont™ Tempro®</td>
</tr>
<tr>
<td>16 ProShield® 10</td>
<td>ProShield® Basic</td>
</tr>
<tr>
<td>17 ProShield® 30</td>
<td>DuPont™ SureStep®</td>
</tr>
<tr>
<td>18 ProShield® 50</td>
<td>new garment</td>
</tr>
<tr>
<td>19 ProShield® 60</td>
<td>ProShield® NexGen®</td>
</tr>
<tr>
<td>20 ProShield® 70</td>
<td>new garment</td>
</tr>
<tr>
<td>21 ProShield® 80</td>
<td>new garment</td>
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<table>
<thead>
<tr>
<th>Tyvek® garments</th>
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<tr>
<td>22 Tyvek® 400 D</td>
<td>Tyvek® Dual</td>
</tr>
<tr>
<td>23 Tyvek® 400</td>
<td>Tyvek®</td>
</tr>
<tr>
<td>26 Tyvek® 400 HV</td>
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</tr>
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<td>27 Tyvek® 500</td>
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<td>27 Tyvek® 600</td>
<td>Tyvek® Plus</td>
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<td>28 Tyvek® 800</td>
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<table>
<thead>
<tr>
<th>Tychem® garments</th>
<th>Original garment name</th>
</tr>
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<tbody>
<tr>
<td>29 Tychem® 2000 SFR</td>
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</tr>
<tr>
<td>30 Tychem® 2000</td>
<td>Tychem® QC</td>
</tr>
<tr>
<td>32 Tychem® 4000</td>
<td>Tychem® SL</td>
</tr>
<tr>
<td>34 Tychem® 5000</td>
<td>Tychem® CPF 3</td>
</tr>
<tr>
<td>38 Tychem® 6000</td>
<td>Tychem® F</td>
</tr>
<tr>
<td>40 Tychem® 6000 FR</td>
<td>Tychem® ThermoPro</td>
</tr>
<tr>
<td>42 Tychem® 9000</td>
<td>Tychem® BR</td>
</tr>
<tr>
<td>44 Tychem® Responder® CSM</td>
<td>Tychem® RESPONDER® CSM</td>
</tr>
<tr>
<td>45 Tychem® 10000</td>
<td>Tychem® TK</td>
</tr>
<tr>
<td>47 Tychem® 10000 FR</td>
<td>Tychem® Reflector®</td>
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<td>48 DuPont® Tychem® accessories</td>
<td>new garment</td>
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<table>
<thead>
<tr>
<th>Sizing</th>
<th>49 Sizing charts</th>
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<table>
<thead>
<tr>
<th>Tychem® gloves</th>
<th>50 Tychem® PV350</th>
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<tr>
<td>50 Tychem® NT420</td>
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<td>50 Tychem® NT430</td>
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<td>51 Tychem® NP530</td>
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<td>51 Tychem® NP560</td>
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<td>51 Tychem® NP570 CT</td>
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<td>51 Tychem® BT730</td>
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</tr>
<tr>
<td>51 Tychem® BT770</td>
<td></td>
</tr>
<tr>
<td>51 Tychem® VB830</td>
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</tr>
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<td>51 Tychem® VB870</td>
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<table>
<thead>
<tr>
<th>Cleanroom garments</th>
<th>52 DuPont Controlled Environments</th>
</tr>
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<tbody>
<tr>
<td>54 Tyvek® IsoClean®</td>
<td></td>
</tr>
<tr>
<td>56 ProShield® 30</td>
<td></td>
</tr>
<tr>
<td>56 DuPont® Sierra</td>
<td></td>
</tr>
<tr>
<td>56 Tychem® Micro-Clean® 2-1-2</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Recycling</th>
<th>57 Tyvek® protective apparel recycling program</th>
</tr>
</thead>
</table>
One simple system

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

- DuPont® Tychem® 2000 – Orange
- DuPont® Tyvek® 400 – Blue
- DuPont® ProShield® Gray

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

For example, Tychem® QC is now Tychem® 2000.
Tyvek® is now Tyvek® 400.

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.
Heavy chemical exposure

- Tychem® Reflector®
- Tychem® TK
- Tychem® RESPONDER® CSM
- Tychem® BR
- Tychem® ThermoPro
- Tychem® F
- Tychem® CPF 3
- Tychem® SL
- Tychem® QC

New

- Tychem® 10000 FR
- Tychem® 10000
- Tychem® Responder® CSM
- Tychem® 9000
- Tychem® 6000 FR
- Tychem® 6000
- Tychem® 5000
- Tychem® 4000
- Tychem® 2000
- Tychem® 2000 SFR
- Tyvek® 800
- Tyvek® 600
- Tyvek® 500
- Tyvek® 400 HV
- Tyvek® 400
- Tyvek® 400 D
- ProShield® 80
- ProShield® 70
- ProShield® 60
- ProShield® 50
- ProShield® 30
- ProShield® 10
- ProShield® 6 SFR

D = Dual  FR = Flame-resistant  SFR = Secondary flame-resistant
Heavy chemical exposure

Light chemical exposure

Non-hazardous particles

Non-hazardous particles and aerosols

Flame resistance

Hazardous particles

Non-hazardous light liquid splash and aerosols

Level of protection

Tychem®

Tyvek®

ProShield®

Customer service 1 800 931 3456 safespec.dupont.com personalprotection.dupont.com
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 barrier. Permeation, on the other hand, occurs when there is movement of the material through the barrier fabric on a molecular level. It is possible for a liquid or vapor to permeate through a fabric even when there is no observed opening in the fabric. Permeation testing is a more sensitive and representative way of characterizing the interaction of liquids and gases with the barrier fabric. Permeation testing is critical for fabrics that are exposed to hazardous liquids, vapors or gases.

Fabric technologies typically used in protective garments
All images are magnified.

Exclusive DuPont technologies

Tychem®
Chemical barrier fabrics specifically engineered for protection over a range of hazards.

Tyvek®
Tyvek® is 100% high-density polyethylene fibers entangled into a protective material—with no fillers or thin films to wear away. Made only by DuPont, it offers superior protection and durability.

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

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

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

Seam construction

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

- **Serged or sewn***: A seam produced when three threads are interlocked around the raw edges of two pieces of material for a strong, stress-resistant seam.
- **Bound***: Tightly sewn with a reinforced outer binding to increase seam strength and barrier. For potential misting exposure of non-hazardous liquids or particle penetration through the seam.
- **Taped**: Both sewn and taped to provide strong chemical resistance against heavy liquid splashes and tough seam stress. A sewn seam is covered with a strip of compatible material by heat-sealing.
- **Double taped**: Sewn, then taped on the inside and the outside of the seam for a very strong chemical- and stress-resistant seam.

* 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.

The high-visibility colors chosen for Tychem® fabrics were based on extensive research. For example, the human eye is more sensitive to the lime yellow of DuPont® Tychem® 10000 and the safety yellow color of Tychem® 9000 and Tychem® 2000 fabrics. On the other hand, there are instances when being visible is dangerous. When discretion is preferred—or required—special low-visibility fabrics, such as Tychem® 2000 SFR and Tychem® 5000, are harder to see and blend into a variety of environments.

Garment style

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

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

Hoods

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

- Standard
- Respirator fit
- Elastomeric faceseal

Faceshields

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

The EX (extra-wide) faceshield options on Tychem® 10000 and Tychem® 9000 Level A garments feature a wrap-around design that provides ample room for a mask-mounted regulator. This faceshield is wider and longer, providing expanded peripheral and vertical viewing.

High visibility

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

Low visibility
Product part numbers

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

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.

TY 120 S  WH LG 0025 00

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

Abbreviations

- Tychem®
- RF 10000 FR
- TK 10000
- RC Responder® CSM
- BR 9000
- TP 6000 FR
- TF 6000
- TYF 6000
- C3 5000
- SL 4000
- QC 2000
- QS 2000 SFR
- 99 Accessories

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

**ProShield®**
- PB 80
- P3 70
- NG 60
- NB 50
- PB 10
- TM 6 SFR

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

Abbreviations

- S Serged or sewn
- B Bound
- T Taped or double taped

See page 7 for details.

**Seam construction**
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**

Several DuPont fabrics are available in color options.

Abbreviations

- BU Blue
- GR Green
- GY Gray
- LY Lime yellow
- OR Orange
- SV Silver
- TN Tan
- WH White
- YL Yellow

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

Abbreviations*

- SM Small
- MD Medium
- LG Large
- XL Extra large
- 2X 2 Extra large
- 3X 3 Extra large
- 4X 4 Extra large
- 5X 5 Extra large
- 6X 6 Extra large
- 7X 7 Extra large
- 00 Universal

See page 49 for sizing charts.

**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.

---

*Not all sizes are available in all styles.

**Stock items versus make to order**
For ProShield® and Tyvek® garments, sizes medium to 4X are identified as stock items. Sizes small and 5X and above are identified as make to order. Certain accessory items are also identified as make to order.

Most garments in the Chemical/Hazmat line (Tychem® 2000, Tychem® 4000, Tychem® 6000, Tychem® 9000, Tychem® Responder® CSM and Tychem® 10000) are identified as make to order. A small grouping is identified as stock items, following the same size guidelines as indicated above.

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

**Option code abbreviations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Standard offering</td>
</tr>
<tr>
<td>0B</td>
<td>Bulk pack</td>
</tr>
<tr>
<td>2K</td>
<td>Double storm flap w/zipper &amp; hook-and-loop closure</td>
</tr>
<tr>
<td>5C</td>
<td>Viton™ butyl</td>
</tr>
<tr>
<td>5V</td>
<td>Viton™ butyl</td>
</tr>
<tr>
<td>7C</td>
<td>MSA connector pass-thru CAMDS (#491335) right side</td>
</tr>
<tr>
<td>7M</td>
<td>MSA dual purpose w/Foster fitting 990060</td>
</tr>
<tr>
<td>7N</td>
<td>MSA quick fill w/Schrader fitting 990190</td>
</tr>
<tr>
<td>7R</td>
<td>MSA dual purpose #495670 Hansen fitting (left front waist)</td>
</tr>
<tr>
<td>7S</td>
<td>Scott® pass-thru #803620-01 Hansen fitting (right side)</td>
</tr>
<tr>
<td>7W</td>
<td>Interspiro pass-thru #33689006</td>
</tr>
<tr>
<td>BN</td>
<td>Berry Amendment compliant</td>
</tr>
<tr>
<td>G1</td>
<td>Reduced case quantity</td>
</tr>
<tr>
<td>HL</td>
<td>Hook-and-loop</td>
</tr>
<tr>
<td>JF</td>
<td>CPE sleeve cuff and jam fit glove insert</td>
</tr>
<tr>
<td>LG</td>
<td>8.25˝ high shoe cover</td>
</tr>
<tr>
<td>NF</td>
<td>NAFTA sourced</td>
</tr>
<tr>
<td>NP</td>
<td>Respirator fit hood and storm flap</td>
</tr>
<tr>
<td>NS</td>
<td>Non-skid material</td>
</tr>
<tr>
<td>PI</td>
<td>Packaged individually</td>
</tr>
<tr>
<td>RF</td>
<td>Respirator fit hood</td>
</tr>
<tr>
<td>SR</td>
<td>Skid-resistant</td>
</tr>
<tr>
<td>TV</td>
<td>Trade Agreement Act compliant</td>
</tr>
<tr>
<td>VP</td>
<td>Vend packed</td>
</tr>
<tr>
<td>WG</td>
<td>With gloves</td>
</tr>
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</table>

**Option codes for Tyvek® IsoClean® garments**:  

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Clean and sterile: clean-processed, individually packaged and sterilized by gamma radiation</td>
</tr>
<tr>
<td>OS</td>
<td>Sterile: individually packaged and sterilized by gamma radiation</td>
</tr>
<tr>
<td>OC</td>
<td>Clean: clean-processed, individually packaged</td>
</tr>
<tr>
<td>00</td>
<td>or 0B Bulk packaged</td>
</tr>
<tr>
<td>PI</td>
<td>Individually packaged in an opaque bag</td>
</tr>
</tbody>
</table>

---

**Product packaging**

**Vend packed**

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

**New packaging**

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

---

*See pages 54-55 for Tyvek® IsoClean® garments.*
### Permeation data

#### Mid level

<table>
<thead>
<tr>
<th>21 Industrial chemicals</th>
<th>CAS #</th>
<th>Physical phase</th>
<th>Tychem® 2000 SFR</th>
<th>Tychem® 2000* QC</th>
<th>Tychem® 4000* SL</th>
<th>Tychem® 5000 CPF 3</th>
<th>Tychem® 6000 F</th>
<th>Tychem® 6000 FR ThermoPro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Original garment name</strong></td>
<td><strong>New garment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone (95%)</td>
<td>67-64-1</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Acetonitrile (95%)</td>
<td>75-05-8</td>
<td>L nt</td>
<td>imm.</td>
<td>60</td>
<td>imm.</td>
<td>131</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Ammonia (95%)</td>
<td>7664-41-7</td>
<td>G nt</td>
<td>imm.</td>
<td>26</td>
<td>imm.</td>
<td>20</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>1, 3-Butadiene (95%)</td>
<td>106-99-0</td>
<td>G nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Carbon disulfide (95%)</td>
<td>75-15-0</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Chlorine (95%)</td>
<td>7782-50-5</td>
<td>G nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Dichloromethane (95%)</td>
<td>75-09-2</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Diethylamine (95%)</td>
<td>109-89-7</td>
<td>L nt</td>
<td>imm.</td>
<td>15</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>N, N-Dimethylformamide (95%)</td>
<td>68-12-2</td>
<td>L nt</td>
<td>imm.</td>
<td>90</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Ethyl acetate (95%)</td>
<td>141-78-6</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Ethylene oxide (95%)</td>
<td>75-21-8</td>
<td>G nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>n-Hexane (95%)</td>
<td>110-54-3</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Hydrogen chloride (95%)</td>
<td>7647-01-0</td>
<td>G nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Methanol (95%)</td>
<td>67-56-1</td>
<td>L nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>imm.</td>
<td>117</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Methyl chloride (95%)</td>
<td>74-87-3</td>
<td>G nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Nitrobenzene (95%)</td>
<td>98-95-3</td>
<td>L nt</td>
<td>imm.</td>
<td>59</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide (50%)</td>
<td>1310-73-2</td>
<td>L &gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Sulfuric acid (95%)</td>
<td>7664-93-9</td>
<td>L &gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>1, 1, 2, 2-Tetrachloroethylene (95%)</td>
<td>127-18-4</td>
<td>L nt</td>
<td>imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
</tr>
<tr>
<td>Tetrahydrofuran (95%)</td>
<td>109-99-9</td>
<td>L nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
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<tr>
<td>Toluene (95%)</td>
<td>108-88-3</td>
<td>L nt</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td></td>
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</tbody>
</table>

#### Chemical warfare agents**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lewisite (L)</strong></td>
<td>541-25-3</td>
<td>L nt</td>
<td>nt</td>
</tr>
<tr>
<td><strong>Mustard (HD)</strong></td>
<td>505-60-2</td>
<td>L nt</td>
<td>nt</td>
</tr>
<tr>
<td><strong>Tabun (GA)</strong></td>
<td>77-81-6</td>
<td>L nt</td>
<td>nt</td>
</tr>
<tr>
<td><strong>Sarin (GB)</strong></td>
<td>107-44-8</td>
<td>L nt</td>
<td>nt</td>
</tr>
<tr>
<td><strong>Soman (GD)</strong></td>
<td>99-64-0</td>
<td>L nt</td>
<td>nt</td>
</tr>
<tr>
<td><strong>VX Nerve Agent</strong></td>
<td>50782-69-9</td>
<td>L nt</td>
<td>nt</td>
</tr>
</tbody>
</table>

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

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

** Actual Breakthrough Time in minutes.

Permeation testing on chemicals is in accordance with ASTM F739, Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact. All tests are conducted at room temperature unless otherwise noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches 0.1 µg/cm²/min.

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 DPP Customer Service at 1 800 931 3456 to determine whether there is new information that relates to your intended use or application of the product.

**Chemical warfare agents are tested according to the following protocols. All chemicals have been tested at a concentration of greater than 95% unless otherwise stated. All tests are performed at 22°C and 50% R.H. Actual Breakthrough Times, in minutes, are reported:

1. Protocol DN3-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 10 g/m².
2. Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 100 g/m² (total coverage).
3. Protocol DN5-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 10 g/m².
4. Protocol DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 100 g/m² (total coverage).

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

All DuPont permeation testing is performed by a third party.

**
## Permeation Data

### High level

<table>
<thead>
<tr>
<th>21 Industrial chemicals</th>
<th>CAS #</th>
<th>Physical phase</th>
<th>Tychem® 9000 BR</th>
<th>Tychem® Responder® CSM</th>
<th>Tychem® 10000 TK</th>
<th>Tychem® 10000 FR</th>
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</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
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<td>Ammonia</td>
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<td>133</td>
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<td>1,3-Butadiene</td>
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<td>Chlorine</td>
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<td>Dichloromethane</td>
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<td>n-Hexane</td>
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<td>Hydrogen chloride</td>
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<td>Methanol</td>
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<td>Methyl chloride</td>
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<td>Sodium hydroxide, 50%</td>
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<td>Sulfuric acid</td>
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<tr>
<td>1, 1, 2, 2-Tetrachloroethylene</td>
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<tr>
<td>Tetrahydrofuran</td>
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<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
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</tbody>
</table>

### Chemical warfare agents

<table>
<thead>
<tr>
<th>Chemical warfare agents</th>
<th>CAS #</th>
<th>Physical phase</th>
<th>Tychem® 9000 BR</th>
<th>Tychem® Responder® CSM</th>
<th>Tychem® 10000 TK</th>
<th>Tychem® 10000 FR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lewisite (L)</td>
<td>541-25-3</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Mustard (HD)</td>
<td>505-60-2</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Tabun (GA)</td>
<td>77-81-6</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Sarin (GB)</td>
<td>107-44-8</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Soman (GD)</td>
<td>99-64-0</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</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>
<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

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

All DuPont permeation testing is performed by a third party.

**Chemical warfare agents are tested according to the following protocols. All tests are performed at 22 °C and 50% R.H. Actual Breakthrough Times, in minutes, are reported.**

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2. Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 8 hours at 100 g/m² (total coverage).
3. Protocol DSN-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 10 g/m².
4. Protocol DSN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 8 hours at 100 g/m² (total coverage).

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

Actual Breakthrough Time in minutes.

Permeation testing on chemicals is in accordance with ASTM F739, Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact. All tests are conducted at room temperature unless otherwise noted. Reported results are Normalized Breakthrough Times defined by ASTM F739 as the time (in minutes) when the permeation rate reaches 0.1 µg/cm²/min.

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 DPP Customer Service at 1 800 931-3456 to determine whether there is new information that relates to your intended use or application of the product.
Product line by hazard

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

To get the most out of your personal protective equipment (PPE), it is necessary to understand where the products are intended to be used. DuPont® 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 the permeation data of hundreds of chemicals, including warfare agents and the ASTM F1001 standard list of challenge chemicals. This tool can be accessed on our website at safespec.dupont.com. To provide a quicker overview of our products and where they are ideally suited for use, we developed the simple guide below. 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>Garment</th>
<th>Non-hazardous</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Particles</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Tyvek® 400</td>
<td>● ● ● ● ● ● ● ●</td>
<td>● ● ● ● ● ● ● ●</td>
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<tr>
<td>Tyvek® 400HV</td>
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<tr>
<td>Tyvek® 500</td>
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<tr>
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<tr>
<td>Tyvek® 800</td>
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<tr>
<td>ProShield® 70</td>
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<td>ProShield® 60</td>
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<td>ProShield® 10</td>
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<td>● ● ● ● ● ● ● ●</td>
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<tr>
<td>ProShield® 6 SFR</td>
<td>● ● ● ● ● ● ● ●</td>
<td>● ● ● ● ● ● ● ●</td>
</tr>
</tbody>
</table>

● Generally preferred ○ Acceptable for use

*Liquid barrier performance varies based on the amount of liquid that may get on the garment, the length of time the liquid is on the garment, applied pressure and certain physical properties of the liquid. Tyvek® and ProShield® garments are not appropriate if during use they are getting wet (liquid is dripping or running, or it is wet to the touch) or if spotting is observed on skin or garments worn under the protective garment. Serged and bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. Tyvek® 600 and Tyvek® 500 garments use a special type of Tyvek® fabric, which has different physical properties and improved chemical resistance properties than compared to fabric used in standard Tyvek® garments. Additionally, the seams used in standard Tyvek® garments are different than the seams for Tyvek® 600 and Tyvek® 500 garments. Tyvek® 600 garments offer seams that are sewn and then taped, and Tyvek® 500 garments offer external sewn seams, whereas the seam thread is visible on the outside of the garment. Tyvek® 500 and Tyvek® 600 garments offer improved liquid barrier, but may not be appropriate if spotting is observed on the skin or garments worn under the protective garment. In applications where a higher liquid barrier is needed, consider Tychem® 2000 and Tychem® 4000 garments with taped seams.

**ProShield® 6 SFR garments offer secondary flame resistance and are to be worn over primary flame-resistant garments such as Nomex® IIIA.

It is the user’s responsibility to determine the nature and level of hazard and the proper personal protective equipment (PPE) needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact DuPont for specific data. If the garment becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

Latex statement: As of January 1, 2006, DuPont production specifications exclude use of components containing natural rubber latex in the manufacture of Tyvek® IsoClean®, Sierra™ and ProClean® 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. The incident should also be reported to DuPont at 1 800 441 3637 so that an investigation can be initiated.
# Product line by hazard

## Tychem® chemical protection products

### Typical chemical hazards/examples

<table>
<thead>
<tr>
<th>Garment</th>
<th>Hazardous dry powders &amp; solids</th>
<th>Bloodborne pathogens &amp; biohazards</th>
<th>Light chemical splash &amp; aerosols</th>
<th>Moderate liquid splash</th>
<th>Potential flash fire &amp; liquid organic chemicals</th>
<th>Heavy liquid chemical splash (toxics &amp; corrosives)</th>
<th>ChemBio &amp; warfare agents</th>
<th>Chemical vapors &amp; gases (toxics &amp; corrosives)</th>
<th>NFPA Ensembles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tychem® 2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1991 Flash fire option</td>
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<td>1991 Liquid gas option</td>
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<tr>
<td>Tychem® 10000 FR</td>
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</tr>
</tbody>
</table>

- ● Generally preferred
- ○ Acceptable for use

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

<table>
<thead>
<tr>
<th>Typical industrial general hazards</th>
<th>Gloves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloodborne pathogens (ISO 16604 Class 6)</td>
<td>PV350 NT420 NT430 NT450 NT470 NT480 NP530 NP560 NP570CT BT730 BT770 VB830 VB870</td>
</tr>
<tr>
<td>Food handling (FDA 21 CFR 177.2600)</td>
<td>Pass Pass Pass Pass Pass Pass</td>
</tr>
<tr>
<td>Cut resistance (ANSI level A5, EN level 5)</td>
<td>Pass</td>
</tr>
<tr>
<td>Dry powders</td>
<td>● ● ● ● ● ● ● ● ● ● ● ●</td>
</tr>
<tr>
<td>Hydrogen peroxide (30%)</td>
<td>● ● ● ● ● ● ● ● ● ● ● ●</td>
</tr>
<tr>
<td>Liquid inorganic acids</td>
<td>● ○ ○ ○ ○ ○ ○ ○ ○ ● ● ● ●</td>
</tr>
<tr>
<td>Liquid inorganic bases</td>
<td>○ ○ ○ ● ● ● ● ● ● ● ● ● ●</td>
</tr>
<tr>
<td>Alcohols</td>
<td>○ ○ ○ ○ ○ ○ ○ ○ ● ● ● ●</td>
</tr>
<tr>
<td>Hydrocarbons (non-aromatic)</td>
<td>○ ○ ○ ○ ○ ○ ● ●</td>
</tr>
<tr>
<td>Aromatic hydrocarbons</td>
<td>● ●</td>
</tr>
<tr>
<td>Isocyanates</td>
<td>● ●</td>
</tr>
<tr>
<td>Ketones</td>
<td>○ ○ ○ ○</td>
</tr>
<tr>
<td>Amines</td>
<td>○</td>
</tr>
<tr>
<td>Hazardous gases (such as Cl₂, NH₃, HF, HCl)</td>
<td>● ● ●</td>
</tr>
</tbody>
</table>

### Comparison within the DuPont portfolio:
- ● Generally preferred
- ○ Acceptable for use
- (Blank) Not recommended

It is the user’s responsibility to determine the nature and level of hazard and the proper personal protective equipment (PPE) needed. The information set forth herein reflects laboratory performance of materials under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the glove selected is suitable for the chemical(s) being handled and the intended use. Please contact DuPont for specific data. There may be several Tychem® gloves that can provide the necessary protection against a specific chemical. Sometimes the work scenario may have other factors, such as the need for increased dexterity or cut protection, that should be taken into account based on the Tychem® glove options available which offer the necessary chemical protection level.

Tychem® gloves are designed for limited use. They can be worn until damaged, altered or contaminated. If the gloves have not been contaminated, they can be cleaned for hygienic purposes and reused.

### Potential allergens:
- Thiazoles-NT420, NT450
- Carbamate-NT470, NT480, NP530
- Natural rubber latex-NP530

Anyone who begins to exhibit an allergic response during the use of DuPont products should immediately cease using these products. The incident should also be reported to DuPont at 1 800 441 3637 so that an investigation can be initiated.
DuPont™ ProShield® 6 SFR
Original name: DuPont™ Tempro®

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.

Styles do not have storm flaps.

Coverall

- TM120SBUXX002500
  - MD–6X
- TM120SBUXX0025PI
  - MD–4X

Serged seams
Collar
Zipper closure

Coverall

- TM122SBUXX002500
  - MD–7X
- TM122SBUXX0025PI
  - MD–4X

Serged seams
Attached hood
Zipper closure
Elastic wrists
Elastic ankles
Attached boot covers

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

‘These ProShield® 6 SFR garments have attached boot covers made of the garment material. These attached boot covers must be worn inside protective outer footwear and are not suitable as outer footwear. These attached boot covers do not have adequate durability or slip resistance to be worn as the outer foot covering.

Note: Not all sizes available in all styles.

Customer service 1 800 931 3456
safespec.dupont.com
personalprotection.dupont.com
DuPont™ ProShield® 10

Original name: ProShield® Basic

Coverall
- PB120SWHXX002500
  - PB120SBUXX002500
  - Serged seams
  - Collar
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - Attached skid-resistant boot covers
  - MD–7X

Coverall
- PB122SWHXX002500
  - PB122SBUXX002500
  - Serged seams
  - Attached hood
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - Attached skid-resistant boot covers
  - MD–7X

Coverall
- PB125SWHXX002500
  - PB125SBUXX002500
  - Serged seams
  - Collar
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - MD–7X

Coverall
- PB127SWHXX002500
  - PB127SBUXX002500
  - PB127SGYXX002500
  - Serged seams
  - Attached hood
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - Attached skid-resistant boot covers
  - MD–7X

Lab coat
- PB212SBUXX003000
  - Serged seams
  - Collar
  - Snap closure
  - Two pockets
  - SM–7X

Lab coat
- PB219SBUXX003000
  - Serged seams
  - Knit collar
  - Set sleeve
  - Knit cuff
  - Snap closure
  - (6 + 1 adjustable)
  - Pockets
  - (1 left chest pencil, 2 lower front)
  - SM–4X

Lab coat
- PB267SBUXX003000
  - Serged seams
  - Mandarin collar
  - Set sleeve
  - Knit cuff
  - Elastic wrists
  - Snap closure
  - (6 + 1 adjustable)
  - SM–4X

Lab coat
- PB271SBUXX003000
  - Serged seams
  - Mandarin collar
  - Zipper closure
  - Elastic wrists
  - MD–4X

Frock
- PB267SWHXX003000
  - Serged seams
  - Knit collar
  - Zipper closure
  - Elastic wrists
  - (6 + 1 adjustable)
  - SM–4X

Frock
- PB271SWHXX003000
  - Serged seams
  - Mandarin collar
  - Zipper closure
  - Elastic wrists
  - MD–4X

Comfort and quality at an affordable price

Spunbond-meltblown-spunbond (SMS) garments

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

ProShield® 10 is available in blue or white, and gray in style 127
DuPont™ ProShield® 30
Original name: DuPont™ SureStep™

Boot cover
- PE444SWHXX010000
  - Serged seams
  - Elastic openings
  - Elastic ankles
  - 13” height
  - 100/cs
  - LG–XL

Shoe cover
- PE440SWHXX020000
  - Serged seams
  - Elastic openings
  - 5.5” height
  - 200/cs
  - MD–XL

Shoe cover
- PE440SBUXX020000
  - Serged seams
  - Elastic openings
  - 5.5” height
  - 200/cs
  - LG–XL

Spunbonded polypropylene with polyethylene film coating
Slip resistance—both wet and dry
DuPont™ ProShield® 50
Original name: new garment

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.
Bound and sewn 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. Garments made of ProShield® 50 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

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, general industrial maintenance
Lighter weight and roomy design make for greater comfort and mobility
ProShield® 50 is white

Coverall
○ NB120SWHXX002500
Serged seams
Collar
Zipper closure
SM–6X

Coverall
○ NB122SWHXX002500
Serged seams
Attached hood
Zipper closure
Elastic wrists
Elastic ankles
Attached skid-resistant boot covers
SM–6X

Coverall
○ NB125SWHXX002500
Serged seams
Collar
Zipper closure
Elastic wrists
Elastic ankles
SM–6X

Apron
○ NB273BWHXX010000
Bound seams
Bound neck and ties
Bib style
28˝ x 36˝
One size fits most

Sleeves
○ NB500SWHXX0200YU
Serged seams
Elastic openings
24˝ length
One size fits most

Coverall
○ NB127SWHXX002500
Serged seams
Attached hood (respirator fit)
Zipper closure
Storm flap
Elastic wrists
Elastic ankles
SM–6X

DuPont™ ProShield® 50
Original name: new garment

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.
Bound and sewn 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. Garments made of ProShield® 50 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

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, general industrial maintenance
Lighter weight and roomy design make for greater comfort and mobility
ProShield® 50 is white

Coverall
○ NB120SWHXX002500
Serged seams
Collar
Zipper closure
SM–6X

Coverall
○ NB122SWHXX002500
Serged seams
Attached hood
Zipper closure
Elastic wrists
Elastic ankles
Attached skid-resistant boot covers
SM–6X

Coverall
○ NB125SWHXX002500
Serged seams
Collar
Zipper closure
Elastic wrists
Elastic ankles
SM–6X

Apron
○ NB273BWHXX010000
Bound seams
Bound neck and ties
Bib style
28˝ x 36˝
One size fits most

Sleeves
○ NB500SWHXX0200YU
Serged seams
Elastic openings
24˝ length
One size fits most

Coverall
○ NB127SWHXX002500
Serged seams
Attached hood (respirator fit)
Zipper closure
Storm flap
Elastic wrists
Elastic ankles
SM–6X

DuPont™ ProShield® 50
Original name: new garment

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.
Bound and sewn 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. Garments made of ProShield® 50 fabric should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers, or other garment surfaces in conditions where slipping could occur.

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, general industrial maintenance
Lighter weight and roomy design make for greater comfort and mobility
ProShield® 50 is white
DuPont™ ProShield® 60
Original name: ProShield® NexGen®

**Coverall**
- NG120SWHXX002500
  - Serged seams
  - Collar
  - Zipper closure
  - SM–6X

**Apron**
- NG273BWHXX010000
  - Bound seams
  - Bound neck and ties
  - Bib by
  - 28” x 36”
  - One size fits most

**Coverall**
- NG125SWHXX002500
  - Serged seams
  - Collar
  - Zipper closure
  - Elastic wrists
  - Elastic ankles
  - SM–6X

**Lab coat**
- NG212SWHXX003000
  - Serged seams
  - Collar
  - Snap closure
  - Two pockets
  - SM–4X

**Coverall**
- NG127SWHXX0025NP
  - Serged seams
  - Attached hood (respirator fit):
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - SM–7X

**Sleeves**
- NG500SWHXX020000
  - Serged seams
  - Elastic openings
  - 18” length
  - One size fits most

**Shoe cover**
- NG451SWHXX020000
  - Serged seams
  - Elastic openings
  - 5” height
  - ProShield® 60 fabric shaft
  - PVC sole
  - 200/cs (100 pairs)
  - SM–XL

**Boot cover**
- NG456SWHXX010000
  - Serged seams
  - Elastic openings
  - Elastic ankles
  - 18” height
  - ProShield® 60 fabric shaft
  - PVC sole
  - 100/cs (50 pairs)
  - SM–XL

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

*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.

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

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**DuPont™ ProShield® 70**

*Original name: DuPont™ ProShield® 3*

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**Shoe cover**

- P3450SGYXX020000
- Serged seams
- Elastic openings
- 5” height
- ProShield® 70 fabric
- Skid resistant
- 200/cs (100 pairs)
- One size fits most

**Boot cover**

- P3450SGY000200LG
- Serged seams
- Elastic openings
- 8.25” height
- ProShield® 70 fabric
- Skid resistant
- 200/cs (100 pairs)
- One size fits most

**Boot cover**

- P3452SGYXX010000
- Serged seams
- Elastic openings
- 10” height
- ProShield® 70 fabric
- Skid resistant
- 100/cs (50 pairs)
- One size fits most

**Boot cover**

- P3454SGYXX010000
- Serged seams
- Elastic openings
- 18” height
- ProShield® 70 fabric
- Skid resistant
- 100/cs (50 pairs)
- One size fits most

---

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

Provides non-hazardous liquid splash protection

ProShield® 70 is gray

LG = 8.25” high shoe cover
**DuPont™ ProShield® 80**

Original name: new garment

---

**Coverall**

- P8122BBUXX002500
- Bound seams
- Attached hood (respirator fit)
- Elastic hood opening
- Storm flap
- Elastic wrists
- Elastic ankles
- Attached boots
- Thumb loops
- 25/cs
- SM–6X

**Coverall**

- P8127BBUXX002500
- Bound seams
- Attached hood (respirator fit)
- Elastic hood opening
- Storm flap
- Elastic wrists
- Elastic ankles
- Attached boots
- Thumb loops
- 25/cs
- SM–6X

---

**Coverall**

- P8125BBUXX002500
- Bound seams
- Storm flap
- Elastic wrists
- Elastic ankles
- Thumb loops
- 25/cs
- SM–6X

---

Hydrophobic outer layer

Comfort fit design and gusset crotch

Breathable fabric with MVTR measured according to ASTM D6701

Bound seams exceed seam strength requirements as defined in ASTM F3352

Meets the US industry requirements for blood (ASTM F1670) and viral penetration (ASTM F1671)

ProShield® 80 is blue

---

**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.

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

---

Note: Not all sizes available in all styles.

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

---

Level of protection

ProShield® 80
DuPont™ Tyvek® 400 D

Coverall

- TD125SWBXX0025CM
  - Serged seams
  - Collar
  - Zipper closure
  - Storm flap
  - Elastic waist
  - Elastic wrists
  - Elastic ankles
  - Thumb loops
  - MD–4X

Coverall

- TD127SWBXX0025CM
  - Serged seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Storm flap
  - Elastic waist
  - Elastic wrists
  - Elastic ankles
  - Thumb loops
  - MD–4X

Pants

- TD350SWBXX0025CM
  - Serged seams
  - Elastic waist
  - MD–5X

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
- Remediation
- Utilities
- Maintenance
- Glass manufacturing

Tyvek® 400 D 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 D 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

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.

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

Note: Not all sizes available in all styles.

Warning: Tyvek® and ProShield® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® and ProShield® fabrics should have slip-resistant or 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®**

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<thead>
<tr>
<th>Coverall</th>
<th>TY120SWHXX002500 MD–7X</th>
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<tbody>
<tr>
<td></td>
<td>TY120SWHXX0006G1 MD–4X</td>
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<tr>
<td></td>
<td>TY120SWHXX0025VP MD–7X</td>
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<td></td>
<td>TY120SWHXX0025NF MD–7X</td>
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<td><strong>NAFTA/TAA COMPLIANT</strong></td>
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</table>

Serged seams
Collar
Zipper closure
Storm flap
Elastic waist
Elastic wrists
Elastic ankles
Attended skid-resistant boots
MD–7X

<table>
<thead>
<tr>
<th>Coverall</th>
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<td>Storm flap</td>
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<td>Elastic wrists</td>
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<td>Elastic ankles</td>
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<td>Attached skid-resistant boots MD–7X</td>
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<td></td>
<td><strong>NAFTA/TAA COMPLIANT</strong></td>
</tr>
</tbody>
</table>

Serged seams
Attended hood (respirator fit)
Zipper closure
Storm flap
Elastic waist
Elastic wrists
Elastic ankles
Attached skid-resistant boots
Comfort fit design

<table>
<thead>
<tr>
<th>Coverall</th>
<th>TY123SWHXX002500 MD–7X</th>
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<td></td>
<td><strong>NAFTA/TAA COMPLIANT</strong></td>
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</tbody>
</table>

Serged seams
Attended hood (respirator fit)
Zipper closure
Storm flap
Elastic waist
Elastic wrists
Elastic ankles
Formation of resistant boots
Comfort fit design

<table>
<thead>
<tr>
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<th>TY124SWHXX002500 MD–7X</th>
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<tr>
<td></td>
<td><strong>NAFTA/TAA COMPLIANT</strong></td>
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</tbody>
</table>

Serged seams
Attended hood (respirator fit)
Zipper closure
Storm flap
Elastic waist
Elastic wrists
Elastic ankles
Attached skid-resistant boots
Comfort fit design

### Storm flaps:

- All standard bound and taped seam coveralls have a single storm flap with a pressure-sensitive tape closure. Serged seam coveralls do not have a storm flap.
- Certain accessory items are also identified as make to order. Stock/make to order designations are based on sales volume and production efficiencies.

### Note:

- Not all sizes available in all styles.
- 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.
- Tyvek® 400 is white

### Warning:

- Tyvek® and ProShield® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® and ProShield® fabrics should have slip-resistant or 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.

### 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®

Frock
- TY210SWHX003000 SM–7X
- TY210SWHX0030VP D–4X
  - Serged seams
  - Collar
  - Snap closure

Frock
- TY211SWHX003000
  - Serged seams
  - Collar
  - Snap closure
  - Elastic wrists
  - Knee length
  - SM–7X

Frock
- TY216SWHX003000
  - Serged seams
  - Mandarin collar
  - Snap closure
  - Elastic wrists
  - SM–5X

Lab coat
- TY212SWHX003000 SM–7X
- TY212SWHX0008G1 MD–4X
- TY212SWHX0030VP MD–4X
- TY212SWHX0030NF SM–7X
  - ★ NAFTA/TAA COMPLIANT
  - Serged seams
  - Collar
  - Snap closure
  - Two pockets

Shirt
- TY303SWHX005000 SM–7X
- TY303SWHX0012G1 MD–4X
- TY303SWHX0050VP MD–3X
  - Serged seams
  - Collar
  - Snap closure
  - Long sleeve

Pants
- TY350SWHX005000 SM–7X
- TY350SWHX0012G1 MD–4X
- TY350SWHX0050VP MD–3X
  - Serged seams
  - Elastic waist

Apron
- TY273BWHX010000
- TY273BWHX0100VP
  - Bound seams
  - Bound neck & ties
  - Bib style
  - 28˝ x 36˝
  - One size fits most

Sleeves
- TY500SWHX020000
- TY500SWHX0200NF
  - ★ NAFTA/TAA COMPLIANT
  - Serged seams
  - Elastic openings
  - 18˝ length
  - One size fits most

Hood
- TY657SWHX010000
  - Serged seams
  - Pullover
  - Elastic face opening
  - Shoulder length
  - One size fits most

Only NF option codes are NAFTA/TAA compliant.
Bound and sewn 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.
Only NF option codes are NAFTA/TAA compliant.

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

Tyvek® 400 with Friction Coating (FC) has been specially treated to promote ink/coating adhesion. This treatment lowers the typical bulk liquid holdout values for Tyvek® fabric. Products with this treatment offer limited bulk liquid holdout. If barrier protection from liquid splash is required, please consider a non-treated Tyvek® style or other substrate.

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.
Durability and breathability of Tyvek®

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

Tyvek® 400 HV is fluorescent orange with retroreflective bands for high visibility

‘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.

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

Note: Not all sizes available in all styles.

Warning: Tyvek® and ProShield® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of Tyvek® and ProShield® fabrics should have slip-resistant or 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® 500 and Tyvek® 600
Original name: Tyvek® Xpert and Tyvek® Plus

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.

Bound and sewn 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® 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.

Bound and sewn 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

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.

Bound and sewn 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.
DuPont™ Tyvek® 800

Coverall

- Tj98TWHXX02SPI
- Taped seams
- Attached hood (respirator fit)
- Storm flap
- Elastic wrists
- Elastic ankles
- CE certified
- Category III type 3-B, 4-B, 5-B and 6-B
- SM–3X

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

Protection against infective 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

*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.

Bound and sewn 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.
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®.

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

In the event of a flash fire, Tychem® 2000 SFR coveralls won’t ignite and won’t contribute additional burn injury if appropriate primary FR apparel is worn beneath.

Tychem® 2000 SFR garments are appropriate per NFPA 2113 Section 5.1.9.

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

newtychem.dupont.com
DuPont™ Tychem® 2000

Original name: Tychem® QC

Coverall
- QC120SYLXX001200
  - Serged seams
  - Collar
  - Zipper closure
  - MD–7X

Coverall
- QC120BYLXX001200
  - Bound seams
  - Collar
  - Zipper closure
  - Storm flap with tape closure
  - MD–6X

Coverall
- QC127SYLXX001200
  - Serged seams
  - Attached hood
  - Zipper closure
  - Storm flap
  - Elastic wrists
  - Elastic ankles
  - MD–7X

Coverall
- QC125BYLXX001200
  - Bound seams
  - Collar
  - Zipper closure
  - Storm flap with tape closure
  - Elastic wrists
  - Elastic ankles
  - MD–6X

Coverall
- QC125TYLXX000400
  - Taped seams, MD–5X

Coverall
- QC127TYLXX000400
  - Taped seams, MD–5X

Coverall
- QC122BYLXX001200
  - Bound seams
  - Collar
  - Zipper closure
  - Storm flap with tape closure
  - Elastic wrists
  - Attached socks
  - MD–6X

Coverall
- QC122TYLXX000400
  - Taped seams

Coverall
- QC122BYLXX0012BN
  - Bound seams

Light liquid splash protection

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

Tychem® 2000 is polyethylene-coated Tyvek® fabric

Flexible, durable and lightweight

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

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

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

Tychem® 2000 is yellow for high visibility

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

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

Seams and closures have less barrier than fabric.

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

Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® 2000**

Original name: Tychem® QC

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**Apron**
- QC273BYLX010000
  - Bound neck & ties
  - Bib style
  - 36” long
  - One size fits most

**Apron**
- QC278BYLXX001200
  - Bound seams
  - Attached long sleeves
  - Bound yoke neck without snaps
  - Waist ties
  - Elastic wrists
  - 52” long
  - One size fits most

**Apron**
- QC275BYLXX002500
  - Bound seams
  - Raw edge neck with snaps
  - Attached long sleeves
  - Waist ties
  - Elastic wrists
  - 44” long
  - SM–4X

**Apron**
- QC275BYLXX0025HL
  - Bound seams
  - Hook-and-loop neck closure
  - Attached long sleeves
  - Waist ties
  - Elastic wrists
  - 44” long
  - SM–4X

**Sleeve**
- QC500BYLXX020000
  - Bound seams
  - Elastic openings
  - 18” length
  - One size fits most

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

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

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

Note: Not all sizes available in all styles.

**Warning:** Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR, and Tychem® 2000 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® 4000
Original name: Tychem® SL

Effective protection against a range of chemicals

Uses include waste management, hazardous response and nuclear environments

Tychem® 4000 is 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

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

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

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 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.

Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

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.
DuPont™ Tychem® 4000
Original name: Tychem® SL

Coverall
- SL128TWHXX000600
  - Taped seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Storm flap with tape closure
  - Elastic wrists
  - Attached socks
  - Outer boot flaps with elastic

Apron
- SL274BWXX005000
  - Bound neck & ties
  - Bib style
  - 36” long
  - One size fits most

Apron
- SL275TWXX002500
  - Taped seams
  - Raw edge neck with snaps
  - Attached long sleeves
  - Waist ties
  - Elastic wrists
  - 44” long
  - SM–4X

Apron
- SL278BWXX001200
  - Bound seams
  - Hook-and-loop neck closure
  - Attached long sleeves
  - Waist ties
  - Elastic wrists
  - 52” long
  - One size fits most

Apron
- SL278BWXX0012HL
  - Bound seams
  - Hook-and-loop neck closure
  - Attached long sleeves
  - Waist ties
  - Elastic wrists
  - 52” long
  - One size fits most

Please note that Tychem® fabrics have different permeation performance. Please check 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. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.
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.

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

Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. See page 7 for photos. Storm flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric. Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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

Coverall—HD design
C3184TTNXX000600
- Taped seams
- Collar
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached jam fit removable/field replaceable neoprene outer/multi-layer laminate inner gloves
- Attached socks
- Outer boot flaps
- SM–4X

Coverall—HD design
C3185TTNXX000600
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached jam fit removable/field replaceable neoprene outer/multi-layer laminate inner gloves
- Attached socks
- Outer boot flaps
- SM–4X

Coverall—HD design—certified to NFPA 1992
C3198TTNXX000600
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached Guardian™ butyl outer/multi-layer laminate inner gloves
- Attached socks
- Elastic ankles
- SM–5X

Coverall—HD design—certified to NFPA 1992
C3198TTNXX0006BN
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached James® butyl outer/multi-layer laminate inner gloves
- Attached socks
- SM–5X

Coverall HD design—certified to NFPA 1992
C3199TTNXX000600
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached Guardian™ butyl outer/multi-layer laminate inner gloves
- Elastic ankles
- SM–5X

Coverall HD design—certified to NFPA 1992
C3199TTNXX0006BN
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached Guardian™ butyl outer/multi-layer laminate inner gloves
- Elastic wrists
- Attached socks
- Outer boot flaps
- SM–5X

Coverall HD design—certified to NFPA 1992
C3199TTNXX0006WG
- Taped seams
- Attached hood (respirator fit)
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Attached Guardian™ butyl outer/multi-layer laminate inner gloves
- Attached socks
- Outer boot flaps
- SM–5X

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

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

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 seamed coveralls have a storm flap or double storm flap, see product description for details. Seams and closures have less barrier than fabric.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

Tychem® 5000 HD garments are intended for use by law enforcement, Hazmat and hospital personnel.

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

Tychem® 5000 HD 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 HD is tan for discretionary purposes and features a low-visibility patch.
DuPont™ Tychem® 5000
Original name: Tychem® CPF 3

Hood
- C365TTNXX000600
- Taped seams
- EX (extra-wide) faceshield (20 mil PVC)
- Pullover
- Hook-and-loop waist closure
- One size fits most

Bib overall
- C3360TTNXX000600
- Taped seams
- Adjustable webbing straps with closure
- SM–4X

Jacket
- C3670TTNXX000600
- C3670TTNXX0006JF
- Taped seams
- Mandarin collar
- Zipper closure
- Double storm flaps with hook-and-loop closure
- Elastic wrists
- SM–4X

Combo suit (jacket and bib overall)
- C3750TTNXX000600
- Jacket
  - Taped seams
  - Mandarin collar
  - Zipper closure
  - Jam fit cuff
  - Double storm flaps
- Bib overall
  - Taped seams
  - Adjustable webbing straps with closure
  - SM–4X

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.

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

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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/make to order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice. These Tychem® 5000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Storm Flaps: All taped seam coveralls have a storm flap or double storm flap, see product description for details.

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

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® 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 agents 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 orange for high visibility and gray for discretionary purposes with a low-visibility patch

Tychem® 6000 TF199T and TF611T are certified to NFPA 1992, Standard on Liquid Splash-Protective Ensembles and Clothing for Hazardous Materials Emergencies

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.

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

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

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

Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

Customer service 1 800 931 3456
safespec.dupont.com personalprotection.dupont.com
### DuPont™ Tychem® 6000

**Original name: Tychem® F**

<table>
<thead>
<tr>
<th><strong>Coverall</strong>—certified to NFPA 1992</th>
<th><strong>Apron</strong></th>
</tr>
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<tbody>
<tr>
<td><img src="image" alt="Coverall" /> TF611TGYXX0001NF</td>
<td><img src="image" alt="Apron" /> TYFPA30SGYXX002500</td>
</tr>
<tr>
<td>Taped seams</td>
<td>No seams</td>
</tr>
<tr>
<td>Elastomeric faceseal</td>
<td>Neck and waist ties</td>
</tr>
<tr>
<td>Rear entry</td>
<td>Partial body chemical protective clothing, Category III, Type PB (3)</td>
</tr>
<tr>
<td>Horizontal zipper</td>
<td>EN 14126 (barrier to infective agents)</td>
</tr>
<tr>
<td>Attached multi-layer laminate gloves</td>
<td>EN 1149-1 (antistatic treatment on inside)</td>
</tr>
<tr>
<td>Attached socks (1)</td>
<td>Shin length</td>
</tr>
<tr>
<td>Outer boot flaps</td>
<td>One size fits most</td>
</tr>
<tr>
<td>Reinforced waist and knees for added protection</td>
<td>SM–5X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Coverall</strong></th>
<th><strong>Sleeves</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Coverall" /> TYFCHASTORXX002500</td>
<td><img src="image" alt="Sleeves" /> TYFPS32SGYXX005000</td>
</tr>
<tr>
<td>Taped seams</td>
<td>Taped seam</td>
</tr>
<tr>
<td>Attached hood (respirator fit) (2)</td>
<td>Elastic openings</td>
</tr>
<tr>
<td>Zipper closure</td>
<td>18” length</td>
</tr>
<tr>
<td>Storm flap with tape closure</td>
<td>Partial body chemical protective clothing, Category III, Type PB (3)</td>
</tr>
<tr>
<td>Elastic wrists</td>
<td>EN 14126 (barrier to infective agents)</td>
</tr>
<tr>
<td>Elastic ankles</td>
<td>EN 1149-1 (antistatic treatment on inside)</td>
</tr>
<tr>
<td>Thumb loops</td>
<td>One size fits most</td>
</tr>
<tr>
<td>Chin flap</td>
<td></td>
</tr>
<tr>
<td>Chemical protective clothing, Category III, Type 3-B, 4-B, 5-B and 6-B</td>
<td></td>
</tr>
<tr>
<td>EN 1073-2 (protection against radioactive contamination)</td>
<td></td>
</tr>
<tr>
<td>EN 1149-5 (antistatic treatment on inside)</td>
<td></td>
</tr>
<tr>
<td>MD–2X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Gown</strong></th>
<th><strong>Sleeves</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Gown" /> TYFPL50SGYXX002500</td>
<td><img src="image" alt="Sleeves" /> TYFPS32SGYXX005000</td>
</tr>
<tr>
<td>Taped seams</td>
<td>Taped seam</td>
</tr>
<tr>
<td>Wrap-over rear closure with tie</td>
<td>Elastic openings</td>
</tr>
<tr>
<td>Partial body chemical protective clothing, Category III, Type PB (3)</td>
<td>18” length</td>
</tr>
<tr>
<td>Standard hoods only extend to the neck</td>
<td>Partial body chemical protective clothing, Category III, Type PB (3)</td>
</tr>
<tr>
<td>See page 7 for photos.</td>
<td></td>
</tr>
</tbody>
</table>

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.

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

**Warning:** Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.
DuPont™ Tychem® 6000 FR
Original name: Tychem® ThermoPro

Coverall—
certified to NFPA 1992 and
NFPA 2112 and meets
NFPA 70E Category 2

- TP198TGYXX000200
- TP198TGYXX0002BN
  **BERRY AMENDMENT COMPLIANT**
- TP198TGRXX000200
- TP198TGRXX0002BN
  **BERRY AMENDMENT COMPLIANT**

Taped seams
Attached hood with
drawstring (respirator fit)²
Zipper closure
Double storm flaps with
hook-and-loop closure
Elastic wrists
Hemmed ankles
SM–5X

Coverall—
certified to NFPA 1992 and
NFPA 2112 and meets
NFPA 70E Category 2

- TP199TGYXX000200
- TP199TGYXX0002BN
  **BERRY AMENDMENT COMPLIANT**
- TP199TGRXX000200
- TP199TGRXX0002BN
  **BERRY AMENDMENT COMPLIANT**

Taped seams
Attached hood with
drawstring (respirator fit)²
Zipper closure
Double storm flaps with
hook-and-loop closure
Elastic wrists
Attached socks¹
Outer boot flaps
SM–5X

Flame-resistant (FR)
Provides triple hazard protection
from chemicals, flash fire and electric arc, combining the trusted chemical protection of Tychem® with the flame and arc flash protection of Nomex® into a single garment

Tychem® 6000 FR 198T/199T meet the

NFPA 2112, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire

Tychem® 6000 FR 198T/199T exceed
the Hazard Risk Category 2 requirement
of 8 cal/cm² outlined in NFPA 70E,
Standard for Electrical Safety in the Workplace

Constructed 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 available in
orange for high visibility and gray for discretionary purposes with a low-visibility patch

Tychem® 6000 FR

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

¹ These Tychem® 6000 FR garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

² 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.

Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® 6000 FR
Original name: Tychem® ThermoPro

Backless coverall
- TP800TORXX000200
  - Open back coverall
  - Buckle closure around waist
  - Snap closure around neck
  - LG–5X

Sleeved apron
- TP275GYXX000200
  - Taped seams
  - Two buckle closure system
  - 45˝ long
  - SM–4X

Combo suit (jacket and bib overall)
- TP750TGYXX000200
  - TP750TORXX000200
  - Jacket
    - Taped seams
    - Mandarin collar
    - Zipper closure
    - Elastic wrists
    - Double storm flaps with hook-and-loop closure and elastic at waist (jacket)
  - Bib overall
    - Taped seams
    - Adjustable webbing straps with buckle closure
    - SM–4X

Apron
- TP284TYXX000400
  - Taped seams
  - Sleeveless apron
  - Buckle closure system
  - Waist strap
  - SM–4X

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. Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® 9000

Original name: Tychem® BR

DuPont™ Tychem® 9000

Encapsulated Level A

BR55TYLXX000017R
Rear entry
Taped seams
EX (extra-wide) three-layer faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
Gas-tight PVC zipper closure
Double storm flaps with hook-and-loop closure
Two exhaust valves
Flat back
Internal adjustment belt
Attached internal multi-layer laminate gloves
Attached butyl gloves
Attached socks¹
Outer boot flaps with elastic
XL–4X

Level of protection

Encapsulated Level B

BR528TYLXX000100
Rear entry
Taped seams
Standard faceshield (20 mil PVC)
Zipper closure
Double storm flaps with hook-and-loop closure
Two exhaust vents
Expanded back
Elastic wrists
Attached socks¹
Outer boot flaps with elastic
MD–4X

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

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.

¹These Tychem® 9000 garments have attached socks made of the garment material. These attached socks must be worn inside protective outer footwear and are not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering.

Storm flaps: All taped seam coveralls have a single storm flap with a pressure-sensitive tape closure.

Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Tychem® 9000 is a multi-layer composite barrier laminated to a strong, nonwoven substrate.

Tear-, puncture- and abrasion-resistant for lasting, consistent protection.

Tychem® 9000 provides at least 30 minutes of protection against >280 chemical challenges.

Tychem® 9000 is yellow for high visibility.
DuPont™ Tychem® 9000
Original name: Tychem® BR

Coverall
- BR125TYLXX000200
  - Taped seams
  - Collar
  - Zipper closure
  - Double storm flaps with tape closure
  - Elastic wrists
  - Elastic ankles
  - SM–5X

Coverall
- BR127TYLXX000200
  - Taped seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Double storm flaps with tape closure
  - Elastic wrists
  - Elastic ankles
  - SM–6X
- BR127TYLXX0002BN
  - Taped seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Double storm flaps with tape closure
  - Elastic wrists
  - Elastic ankles
  - SM–5X

Coverall
- BR128TYLXX000200
  - Taped seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Double storm flaps with tape closure
  - Elastic wrists
  - Attached socks
  - Outer boot flaps with elastic
  - SM–7X
- BR128TYLXX0002BN
  - Taped seams
  - Attached hood (respirator fit)
  - Zipper closure
  - Double storm flaps with tape closure
  - Elastic wrists
  - Attached socks
  - Outer boot flaps with elastic
  - SM–5X

Hood
- BR651TYLXX000200
  - Taped seams
  - Standard faceshield (20 mil PVC)
  - Pullover
  - Hook-and-loop waist closure
  - One size fits most

Combo suit (jacket and bib overall)
- BR753TYLXX000600
  - Jacket
    - Taped seams
    - Mandarin collar
    - Zipper closure
    - Jam cuff
    - Double storm flaps
  - Bib overall
    - Taped seams
    - Adjustable webbing straps with closure
    - Packaged individually
    - SM–4X

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

These Tychem® 9000 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 single storm flap with a pressure-sensitive tape closure. Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® Responder® CSM
Original name: Tychem® RESPONDER® CSM

Encapsulated Level A
- RC550TTNX000100
  MD–4X
- RC550TTNX00017C
  call for sizing
- RC550TTNX00017S
  call for sizing
- RC550TTNX00017W
  call for sizing

NAFTA/TAA COMPLIANT

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

Coverall
- RC128TTNX000100
  NAFTA/TAA COMPLIANT

Double taped seams
Attached hood (respirator fit)
Zipper closure
Double storm flap with hook-and-loop closure
Attached butyl gloves (mil. spec. glove) with attached conical cuff for jam fit
Attached socks
Outer boot flaps
SM–4X

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.

These Tychem® Responder® 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 a hook-and-loop closure.

Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.

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

Used for military weapon demilitarization

Suited for Hazmat and domestic preparedness situations

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

Tychem® Responder® CSM provides at least 30 minutes of protection against >320 chemical challenges

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

All Tychem® Responder® CSM suits are NAFTA/TAA compliant
DuPont™ Tychem® 10000

Original name: Tychem™ TK

Encapsulated Level A

- TK5S4TLYXX000100 MD–4X
- TK5S4TLYXX00015C MD–4X
- TK5S4TLYXX00017S call for sizing
  ★ NAFTA/TAA COMPLIANT

Front entry
Double taped seams
EX (extra-wide) three-layer faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
Gas-tight PVC zipper closure
Double storm flaps with hook-and-loop closure
Two exhaust valves
Expanded back
Internal adjustment belt
Attached internal multi-layer laminate gloves
Attached outer butyl or Viton® gloves
Knee wear pads
Attached socks
Outer boot flaps with elastic

Premium protection against toxic and corrosive gaseous, liquid and solid chemicals
Leading garment chosen by Hazmat responders worldwide
Extremely durable, puncture- and tear-resistant fabric
Wide range of garment styles, including totally encapsulated, vapor protective Level A and liquid-splash protective Level B suits
Tychem™ 10000 provides at least 30 minutes of protection against >320 chemical challenges
Tychem™ TK612T/613T certified to NFPA 1994 Class 2, Standard on Protective Ensembles for First Responders to Hazardous Materials Emergencies and CBRN Terrorism Incidents

Tychem™ 10000 is lime yellow for high visibility
All Tychem™ 10000 encapsulated suits are NAFTA/TAA compliant

Encapsulated Level A—certified to NFPA 1994 Class 2

- TK612TLYXX000100 Front entry, MD–4X
- TK613TLYXX000100 Rear entry, call for sizing
  ★ NAFTA/TAA COMPLIANT

Rear entry
Double taped seams
EX (extra-wide) three-layer faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
Gas-tight zipper closure
Double storm flap
Two exhaust valves
Expanded back
Attached two-layer gloves (multi-layer laminate/neoprene)
Attached socks
Outer boot flaps with elastic

not suitable as outer footwear. These attached socks do not have adequate durability or slip resistance to be worn as the outer foot covering

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

Warning: Most Tychem™ garments 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. Tychem™ 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem™ 6000 FR, Tychem™ 10000 FR and Tychem™ 2000 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® 10000**
Original name: Tychem® TK

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**Encapsulated Level A**

TK527TLYXX000001R
- NAFTA/TAA COMPLIANT
- BERRY AMENDMENT COMPLIANT

Front entry
Double taped seams
Standard three-layer faceshield (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 socks
Attached boot flaps with elastic
LG–2X

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**Encapsulated Level B**

TK527TLYXX000018N
- NAFTA/TAA COMPLIANT
- BERRY AMENDMENT COMPLIANT

Front entry
Taped seams
Standard faceshield (40 mil PVC)
Zipper closure
Double storm flaps with hook-and-loop closure
Two exhaust vents
Expanded back
Elastic wrists
Attached socks
Attached boot flaps with elastic
SM–6X

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**Coverall**

TK128TLYXX000200
- NAFTA/TAA COMPLIANT

Taped seams
Attached hood (respirator fit)
Zipper closure
Double storm flaps with tape closure
Elastic wrists
Attached socks
Attached boot flaps with elastic
SM–6X

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

Stock/make to order designsations 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.

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

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

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

**Warning:** Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® 10000 FR

Original name: Tychem® Reflector®

Fully encapsulated Level A
Tychem® 10000 FR—
certified to NFPA 1991

- RF600TSVXX000100
- RF600TSVXX00017M
- RF600TSVXX00017N

Front entry
- Double taped seams
- Three-layer (PVC 40 mil/Teflon® 5 mil/PVC 40 mil) faceshield
- 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® knit)
- Attached socks
- Outer boot flaps
- SM–4X

“Single skin” garment offers broad chemical holdout

Ideally suited for industrial and Hazmat situations

Chemical protection in one garment that is easy to don and doff

Tychem® 10000 FR provides at least 30 minutes of protection against >290 chemical challenges

Certified to NFPA 1991, Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies and CBRN Terrorism Incidents, with flash fire escape and liquefied gas options

Tychem® 10000 FR is high-visibility silver

All Tychem® 10000 FR suits are NAFTA/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.

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

Seams and closures have less barrier than fabric.

Warning: Suits do not provide thermal skin protection for direct contact with hot solids or liquids. They do not provide protection from continuous radiant heat sources such as furnaces or smelters. Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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® accessories

Tychem® 10000 fully encapsulated training suit
TK5865LYXX000100 Front entry, MD–4X
TK5865LYXX00017W Front entry, MD–4X
TK5866LYXX000100 Front entry, MD–6X
TK5875LYXX000100 Rear entry, MD–4X
★ NAFTA/TAA COMPLIANT

- EX (extra-wide) faceshield
- [20 mil PVC]
- Zipper closure
- Storm flap over zipper
- Internal waist belt
- Expanded back
- Attached butyl gloves
- Attached socks¹
- Outer boot flaps
- Clearly labeled as a training suit

Cool-Guard® vest
996000BU00000100 Personal cooling product

Cool-Guard® refills
9960300000000100 Spare set of 4

Glove ring assembly—Male glove insert
99961000000002DL

Pirelli® air relief exhaust valve
9993700000000100

Pirelli® exhaust diaphragm
9912200000000100 1/cs
9912200000000200 2/cs
9912200000000300 3/cs

Pirelli® adapters for test kits
9999300000000100 Two adapters for DuPont kit to test Tychem® Responder® CSM suits

Auer® air relief exhaust valve
9902600000000100

Auer® adapters for test kits
9911600000000100 Two adapters for DuPont kit to test Tychem® Responder® CSM suits

Cool-Guard® vest

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
- Additional components available, please call customer service.

For a complete list of pass-thru option codes, please see page 9. For more detailed information regarding pass-thrus, please call Customer Service.

¹ These 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.

Warning: Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.
Sizing charts

Sizing for protective garments

This chart is based on individuals wearing SCBA, safety helmet and standard work clothing. Fit varies with individual body shape.

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™ Tychem® gloves**

**Tychem® PV350**
Extremely durable, cotton-lined PVC construction with rough grip. Suitable for defensive protection from chemicals, oils and greases.

- PV3500BK100144CF
  - CAT III, EN ISO 374-1, Type B, EN ISO 374-5, EN 388
  - Fully coated PVC, cotton/jersey
  - Thickness: 55 mil (1.40 mm)
  - Nominal coating thickness: 20 mil (0.51 mm)
  - Length: 14 in. (356 mm)
  - 10/LG

**Tychem® NT420**
Chemical splash and oil protection. Designed for jobs requiring barrier protection, while keeping tactile discrimination.

- NT4200BU060100UL
- NT4200BU070100UL
- NT4200BU080100UL
- NT4200BU091000UL
  - CAT III, EN ISO 374-1, Type B, EN ISO 374-5
  - 100% nitrile, unlined
  - Thickness: 8 mil (0.2 mm)
  - Length: 9.5 in. (240 mm)
  - 6/S–9/XL

**Tychem® NT430**
Lightweight with "second-skin" feel. Resistant to oils, hydrocarbons and greases. Lint-free, dust-free cuff prevents dirt from entering the glove.

- NT4300BU060288UL
- NT4300BU070288UL
- NT4300BU080288UL
- NT4300BU090288UL
- NT4300BU100288UL
- NT4300BU110288UL
  - CAT III, EN ISO 374-1, Type A, EN ISO 374-5
  - 100% nitrile, unlined
  - Thickness: 9 mil (0.23 mm)
  - Length: 12 in. (305 mm)
  - 6/XS–11/XXL

**Tychem® NT450**
Flexible knit-lined dual nitrile glove. Protects against an array of solvents, oils and acids.

- NT4500BU080144KL
- NT4500BU090144KL
- NT4500BU100144KL
- NT4500BU110144KL
  - CAT III, EN ISO 374-1, Type A, EN ISO 374-5, EN 388
  - Double coated full nitrile, cotton/polyester
  - Thickness: 56 mil (1.42 mm)
  - Nominal coating thickness: 13 mil (0.33 mm)
  - Length: 14 in. (356 mm)
  - 8/S–11/XL

**Tychem® NT470**
Resistant to a range of solvents, oils, hydrocarbons, animal fats, greases and other chemicals. Bisque finish allows secure handling in wet and dry conditions. Unlined, with an ergonomic design to maximize comfort.

- NT4700GR060288UL
- NT4700GR070288UL
- NT4700GR080288UL
- NT4700GR090288UL
- NT4700GR100288UL
- NT4700GR110288UL
  - CAT III, EN ISO 374-1, Type A, EN ISO 374-5, EN 388
  - 100% nitrile, unlined
  - Thickness: 15 mil (0.38 mm)
  - Length: 13 in. (330 mm)
  - 6/XS–11/XXL

**Tychem® NT480**
Bisque finish allows secure handling in wet and dry conditions. Resistant to a range of solvents, animal fats and other chemicals. Flock-lined with an ergonomic design for enhanced comfort.

- NT4800GR060288CF
- NT4800GR070288CF
- NT4800GR080288CF
- NT4800GR090288CF
- NT4800GR100288CF
- NT4800GR110288CF
  - CAT III, EN ISO 374-1, Type A, EN ISO 374-5, EN 388
  - 100% nitrile, cotton flock
  - Thickness: 15 mil (0.38 mm)
  - Length: 13 in. (330 mm)
  - 6/XS–11/XXL
Tychem® NP530
Double-dipped neoprene over natural rubber for dexterity. Resistant to a wide range of chemicals.

- NP5300BK070288CF
- NP5300BK080288CF
- NP5300BK090288CF
- NP5300BK100288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Neoprene over natural rubber, cotton flock
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL

Tychem® NP560
Resistant to a wide range of chemicals, including acids, caustics, solvents, greases and oils. Suitable for heavy-duty work or applications involving exposure to the presence of solvents.

- NP5600BK080144KL
- NP5600BK090144KL
- NP5600BK100144KL
- NP5600BK110144KL

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated flexible neoprene, 15-gauge seamless, polyester knit liner
Thickness: 55 mil (1.39 mm)
Nominal coating thickness: 30 mil (0.76 mm)
Length: 14 in. (356 mm)
8/S–11/XL

Tychem® NP570 CT
Protection against the dual risk of chemical exposure and cut. Provides ANSI level A5 and EN level 5 cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.

- NP5700BK080144EY
- NP5700BK090144EY
- NP5700BK100144EY
- NP5700BK110144EY

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388, ANSI CUT A5
Neoprene, 13-gauge engineered yarn
Thickness: 68 mil (1.73 mm)
Nominal coating thickness: 30 mil (0.76 mm)
Length: 14 in. (356 mm)
8/S–11/XL

Tychem® BT730
Protection against a wide array of chemicals. Provides resistance to many highly corrosive acids and is designed for handling ketones and alcohols.

- BT7300BK070024UL
- BT7300BK080024UL
- BT7300BK090024UL
- BT7300BK100024UL
- BT7300BK110024UL

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated butyl, unlined
Thickness: 14 mil (0.35 mm)
Length: 14 in. (356 mm)
7/S–11/XXL

Tychem® BT770
Provides protection against a variety of highly corrosive chemicals, alcohols, ketones and esters.

- BT7700BK080024UL
- BT7700BK090024UL
- BT7700BK100024UL
- BT7700BK110024UL

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated butyl, unlined
Thickness: 28 mil (0.7 mm)
Length: 14 in. (356 mm)
8/M–11/XXL

Tychem® VB830
Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene.

- VB8300BK070024UL
- VB8300BK080024UL
- VB8300BK090024UL
- VB8300BK100024UL
- VB8300BK110024UL

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated Viton™ over butyl, unlined
Thickness: 12 mil (0.30 mm)
Length: 14 in. (356 mm)
8/S–11/XL

Tychem® VB870
Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene. Suitable for military applications.

- VB8700BK090024UL
- VB8700BK100024UL
- VB8700BK110024UL

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated Viton™ over butyl, unlined
Thickness: 28 mil (0.71 mm)
Length: 14 in. (356 mm)
9/L–11/XXL

Tychem® NP560
Double-dipped neoprene over natural rubber for dexterity. Resistant to a wide range of chemicals.

- NP5600BK070288CF
- NP5600BK080288CF
- NP5600BK090288CF
- NP5600BK100288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Neoprene over natural rubber, cotton flock
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL

Tychem® NP570 CT
Protection against the dual risk of chemical exposure and cut. Provides ANSI level A5 and EN level 5 cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.

- NP5700BK080144EY
- NP5700BK090144EY
- NP5700BK100144EY
- NP5700BK110144EY

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388, ANSI CUT A5
Neoprene, 13-gauge engineered yarn
Thickness: 68 mil (1.73 mm)
Nominal coating thickness: 30 mil (0.76 mm)
Length: 14 in. (356 mm)
8/S–10/XL

Tychem® PB900
Resistant to a wide range of chemicals, including acids, caustics, solvents, greases and oils. Suitable for heavy-duty work or applications involving exposure to the presence of solvents.

- PB9000BK080288CF
- PB9000BK090288CF
- PB9000BK100288CF
- PB9000BK110288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Polyurethane, cotton flock
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL

Tychem® PB930
Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene.

- PB9300BK070288CF
- PB9300BK080288CF
- PB9300BK090288CF
- PB9300BK100288CF
- PB9300BK110288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated butyl, unlined
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL

Tychem® PB970
Provides protection against the dual risk of chemical exposure and cut. Provides ANSI level A5 and EN level 5 cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.

- PB9700BK080144EY
- PB9700BK090144EY
- PB9700BK100144EY
- PB9700BK110144EY

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388, ANSI CUT A5
Neoprene, 13-gauge engineered yarn
Thickness: 68 mil (1.73 mm)
Nominal coating thickness: 30 mil (0.76 mm)
Length: 14 in. (356 mm)
8/S–10/XL

Tychem® PB980
Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene.

- PB9800BK080288CF
- PB9800BK090288CF
- PB9800BK100288CF
- PB9800BK110288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated butyl, unlined
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL

Tychem® PB990
Provides protection from a variety of chlorinated solvents and aliphatic or aromatic hydrocarbons, such as benzene, toluene and xylene.

- PB9900BK080288CF
- PB9900BK090288CF
- PB9900BK100288CF
- PB9900BK110288CF

CAT III, EN ISO 374-1, Type A, EN ISO 347-5, EN 388
Fully coated butyl, unlined
Thickness: 26 mil (0.66 mm)
Length: 12 in. (305 mm)
7/S–10/XL
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 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. Also, DuPont Controlled Environments garments help minimize cross-contamination risk because clean-processing and packaging are done in a facility that only handles new garments.

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. In addition, they feature the lowest linting and particle shedding of any garments in the DuPont portfolio.

Options

- **CS** Clean and sterile: clean-processed, individually packaged and sterilized by gamma irradiation
- **OS** Sterile: individually packaged and sterilized by gamma irradiation
- **OC** Clean: clean-processed, individually packaged
- **00 or 0B** Bulk packaged
- **PI** Individually packaged in an opaque bag
- **BB** Bulk packaged
- **BH** 50/bag
- **MP** Multipack
# Controlled environments apparel selection guide

## DuPont Controlled Environments garments: Tyvek® IsoClean®, Tyvek® Micro-Clean® 2-1-2, ProClean® 6

<table>
<thead>
<tr>
<th>Environments</th>
<th>Tyvek® IsoClean®</th>
<th>Tyvek® Micro-Clean® 2-1-2</th>
<th>ProClean® 6</th>
<th>Considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environments</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISO Class 5 Aseptic Cleanrooms (Former FED-STD-209E; Class 100)</td>
<td>![ ]+ ![ ]</td>
<td>![ ]</td>
<td>![ ]</td>
<td>Tyvek® IsoClean® sterile garments offer excellent cleanliness, barrier and sterility assurance level.</td>
</tr>
<tr>
<td>ISO Class 6, 7 and 8 Bioburden Control Areas (Former FED-STD-209E; Class 1000, 10,000 and 100,000)</td>
<td>![ ]+ ![ ]+ ![ ]</td>
<td>![ ]</td>
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</tr>
<tr>
<td>ISO Class 6, 7 and 8 Cleanrooms (Former FED-STD-209E; Class 1000, 10,000 and 100,000)</td>
<td>![ ]+ ![ ]+ ![ ]</td>
<td>![ ]+ ![ ]</td>
<td>![ ]</td>
<td>Tyvek® is durable, low-linting and provides an inherent particle barrier. Clean processing and bound seams should be considered for more critical environments.</td>
</tr>
</tbody>
</table>

## Hazards

<table>
<thead>
<tr>
<th>Hazards</th>
<th>Tyvek® IsoClean®</th>
<th>Tyvek® Micro-Clean® 2-1-2</th>
<th>ProClean® 6</th>
<th>Considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazardous powders Notice: DuPont Controlled Environments garments should not be used in potentially explosive or flammable environments</td>
<td>![ ]+ ![ ]+ ![ ]+ ![ ]+</td>
<td></td>
<td>![ ]+</td>
<td>Use bound seam garments when working with hazardous powders.</td>
</tr>
<tr>
<td>Hazardous liquid splash Examples: organic solvents, caustics</td>
<td></td>
<td></td>
<td></td>
<td>Please refer to our Tychem® product line for liquid and vapor chemical protection.</td>
</tr>
<tr>
<td>Electric arc, industrial fire hazard, welding</td>
<td></td>
<td></td>
<td></td>
<td>Please refer to Nomex® for flame-resistant apparel. Controlled environment garments are not suitable for firefighting activities, nor for protection from hot liquids, steam, molten metals, welding, electric arc or thermal radiation.</td>
</tr>
</tbody>
</table>

Do Not Use

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

Comparison within the DuPont portfolio:

- ![ ]+ Best
- ![ ] Better
- (Blank) Not recommended
## DuPont Controlled Environments

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

### Coverall
- **IC253BWHXX00250B**
  - SM–5X
- **IC253BWHXX00250S**
  - SM–5X
- **IC253BWHXX00250C**
  - SM–5X
- **IC253BWHXX00250CS**
  - SM–7X
- Bound seams
- Bound neck
- Dolman sleeve
- Zipper closure
- Elastic wrists
- Elastic ankles
- 25/cs

### Boot cover
- **IC447SWHXX01000B**
  - SM–XL
- **IC447SWHXX01000C**
  - MD–XL
- **IC447SWHXX01000CS**
  - MD–2X
- Serged seams
- Elastic openings
- Elastic ankles
- Gripper™ sole
- 18” high
- 100/cs (50 pairs)

### Coverall
- **IC105SWHXX002500**
  - SM–8X
- **IC105SWHXX00250C**
  - SM–4X
- Serged seams
- Standard hood
- Elastic hood opening
- Set sleeve
- Zipper closure
- Elastic wrists
- Elastic ankles
- Attached thumb loops
- Attached boots with PVC soles
- 25/cs

### Boot cover
- **IC458BWHXX01000B**
  - MD–XL
- **IC458BWHXX01000C**
  - MD–XL
- **IC458BWHXX01000CS**
  - SM–XL
- Bound seams
- Elastic openings
- Ties at ankles
- Gripper™ sole
- 18” high
- 100/cs (50 pairs)

### Coverall
- **IC254BWHXX00250CS**
  - MD–4X
- Bound seams
- Bound neck
- Dolman sleeve
- Zipper closure
- Snaps for aseptic donning
- Elastic wrists
- Elastic ankles
- Attached thumb loops
- Attached boots with PVC soles
- 25/cs

### Boot cover
- **IC457SWHXX01000B**
  - IC457SWHXX01000S
  - SM–XL
- Serged seams
- Elastic openings
- Ties at ankles
- PVC sole
- 18” high
- 100/cs (50 pairs)

### Shoe cover
- **IC461SWHXX03000B**
  - SM–XL
- Serged seams
- Elastic openings
- PVC sole
- Elastic toe
- 5” high
- 300/cs (150 pairs)

---

**Tyvek® IsoClean®**

Made from Tyvek® brand flashspun 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 gamma sterilized to an SAL of 10^-6
- Serged or bound seams with covered elastic options
- Bound seam garments offer highest particle barrier within DuPont CE product portfolio
- Traceability on all sterilized apparel
- Gripper™ soles offer a higher level of slip resistance than standard PVC soles
- Tyvek® IsoClean® is white

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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.

**Frock—Tyvek® IsoClean**
- IC270BWHXX003000
- IC270BWHXX00300C
- IC270BWHXX0030CS
  - Bound seams
  - Bound neck
  - Set sleeve
  - Snap closure (6 + 1 adjustable)
  - Elastic wrists
  - SM–4X

**Shoe cover—Tyvek® IsoClean**
- IC451BWHXX01000B
  - Serged seams
  - Elastic openings
  - Gripper® sole
  - 5" high
  - 100/cs (50 pairs)
  - MD–XL

**Lab coat—Tyvek® IsoClean**
- IC224SWHXX00300B
  - Serged seams
  - Laydown collar
  - Raglan sleeve
  - Snap closure (5)
  - Pockets (1 left chest pencil, 2 lower front)
  - SM–2X

**Coverall—Tyvek® IsoClean**
- IC182BWHXX002500
- IC182BWHXX00250C
- IC182BWHXX0025CS
  - Bound seams
  - Bound neck
  - Raglan sleeve
  - Zipper closure
  - Elastic wrists
  - Elastic ankles
  - SM–4X

**Frock—Tyvek® IsoClean**
- IC264SWHXX00300B
- IC264SWHXX00300C
- IC264SWHXX0030CS
  - Serged seams
  - Bound neck
  - Raglan sleeve
  - Zipper closure
  - Elastic wrists
  - A-line
  - SM–4X

**Hood—Tyvek® IsoClean**
- IC668BWHXX01000B
- IC668BWHXX01000C
- IC668BWHXX0100CS
  - Bound seams
  - Full face opening
  - Bound hood opening
  - Ties with loops for fit
  - White hood
  - Blue face mask
  - Pleated polyethylene outer 7” wide mask
  - Individually packaged
  - 100/cs
  - One size fits most

**Coverall—Tyvek® IsoClean**
- IC182BWHXX002500
- IC182BWHXX00250C
- IC182BWHXX0025CS
  - Bound seams
  - Bound neck
  - Raglan sleeve
  - Zipper closure
  - Elastic wrists
  - Elastic ankles
  - SM–4X

**Hood/mask—Tyvek® IsoClean**
- IC669BWHXX01000S
  - Integrated hood/mask combination
  - Bound seams
  - Bound head opening
  - Ties with loops for fit
  - White hood
  - Blue face mask
  - Pleated polyethylene outer 7” wide mask
  - Individually packaged
  - 100/cs
  - One size fits most

Customer service 1 800 931 3456  safespec.dupont.com  personalprotection.dupont.com
DuPont Controlled Environments

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

Shoe cover—ProShield® 30

PE440SBUX020000
Serged seams
Elastic openings
5.5” height
200/cs (100 pairs)
LG–XL

Shoe cover—ProShield® 30

PE440SWHXX020000
Serged seams
Elastic openings
5.5” height
200/cs (100 pairs)
MD–XL

Controlled environment mask—DuPont® Sierra™

ML7360WHXX0250BH
ML7360WHXX02500S
9” size
Bound Tyvek® ties
Pleated
Rayon outer facing
Metal nose piece
One size fits most

Boot cover—ProShield® 30

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

Sleeves

IC501BWHXX01000B
IC501BWHXX01000C
IC501BWHXX01000S
IC501BWHXX0100CS
Bound seams
Elastic openings
18” length
One size fits most

Coverall—Tyvek® Micro-Clean® 2-1-2

CC252BBUX00250S
SM–5X
CC252BBUX0025PI
SM–5X
Bound seams
Bound neck with loop at center back
Dolman sleeve
Zipper closure
Elastic wrists
Elastic ankles

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
Tyvek® protective apparel recycling program

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.

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

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
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:

1. Get trained in the proper use, handling, storage, maintenance and disposal of garments;
2. Review and understand available information about the appropriate use of garments/accessories;
3. Verify that the garment is appropriate for the user’s specific application;
4. Verify that the garment meets all specified government and industry standards for user’s specific application;
5. Carefully inspect the garment for damage before and after use, including all fabric, seams and closures.

Warnings:

1) Tyvek® and ProShield® garments should not be used around heat, flame, sparks or in potentially flammable or explosive environments. ProShield® 6 SFR garments offer secondary flame resistance and are to be worn over primary flame-resistant garments such as Nomex® IIIA.
2) Most Tychem® garments 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. Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used on primary flame-resistant garments such as Nomex® IIIA. Users of Tychem® 6000 FR, Tychem® 10000 FR and Tychem® 2000 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.
3) 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.
4) 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.
5) If fabric becomes torn, scratched or punctured, or if a garment closure or seam fails, user should immediately discontinue use of garment to avoid serious injury, including potentially deadly chemical exposure(s). Seams, closures and visas may provide less protection than fabric.
6) 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.
7) The outer glove on Tychem® 10000 FR suits may contain natural rubber latex which may cause allergic reactions in some sensitized individuals. Additionally, some internal components not expected to contact the wearer during use may 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. The incident should also be reported to DuPont at 1 800 441 3637 so that an investigation can be initiated.
8) 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. The incident should also be reported to DuPont at 1 800 441 3637 so that an investigation can be initiated.
9) Tyvek® coveralls and ProShield® 60 coveralls can be considered for use with the appropriate respirators and other suitable PPE to minimize contact with isocyanate paint aerosols. Tyvek® garments are not appropriate if they are getting wet (paint is dripping or running, or wet to the touch) or if spotting is observed on skin or garments worn under the coveralls. Tychem® aprons and smocks are available for situations where prolonged liquid exposure may be limited to the front of the torso and for 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 are gained. DuPont makes no guarantee of results and assumes no obligations or liability in connection with this information. 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. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk.

Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher permeation rates than the fabric. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid compromising the barrier protection. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE 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 patent, trademark or technical information of DuPont or others covering any material or its use.

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