DuPont Personal Protection – 2017 Product Catalog

Introducing our new, simplified product identification system.
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new garment
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Original Garment Name
Tychem® QC
new garment
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One simple system.

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.

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

DuPont® Tychem® Orange

DuPont® Tyvek® Blue

DuPont® ProShield® Gray

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.
<table>
<thead>
<tr>
<th>Original</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tychem® Reflector®</td>
<td>Tychem® 10000 FR</td>
</tr>
<tr>
<td>Tychem® TK</td>
<td>Tychem® 10000</td>
</tr>
<tr>
<td>Tychem® Responder® CSM</td>
<td>Tychem® RESPONDER® CSM</td>
</tr>
<tr>
<td>Tychem® BR</td>
<td>Tychem® 9000</td>
</tr>
<tr>
<td>Tychem® ThermoPro</td>
<td>Tychem® 6000 FR</td>
</tr>
<tr>
<td>Tychem® F</td>
<td>Tychem® 6000</td>
</tr>
<tr>
<td>Tychem® CPF 3</td>
<td>Tychem® 5000</td>
</tr>
<tr>
<td>Tychem® SL</td>
<td>Tychem® 4000</td>
</tr>
<tr>
<td><strong>new garment</strong></td>
<td></td>
</tr>
<tr>
<td>Tychem® QC</td>
<td>Tychem® 2000 SFR</td>
</tr>
<tr>
<td><strong>new garment</strong></td>
<td></td>
</tr>
<tr>
<td>Tyvek® Plus</td>
<td>Tyvek® 800</td>
</tr>
<tr>
<td>Tyvek® Xpert</td>
<td>Tyvek® 600</td>
</tr>
<tr>
<td>Tyvek®</td>
<td>Tyvek® 500</td>
</tr>
<tr>
<td>Tyvek®</td>
<td>Tyvek® 400</td>
</tr>
<tr>
<td>Tyvek® Dual</td>
<td>Tyvek® 400 D</td>
</tr>
<tr>
<td>ProShield® 3</td>
<td>ProShield® 70</td>
</tr>
<tr>
<td>ProShield® NexGen®</td>
<td>ProShield® 60</td>
</tr>
<tr>
<td><strong>new garment</strong></td>
<td></td>
</tr>
<tr>
<td>ProShield® Basic</td>
<td>ProShield® 50</td>
</tr>
<tr>
<td>ProShield® Tempro®</td>
<td>ProShield® 6 SFR</td>
</tr>
</tbody>
</table>

**LEVEL OF PROTECTION**

- **Heavy Chemical Exposure**
  - Non-hazardous light liquid splash and aerosols
  - Non-hazardous particles
  - Non-hazardous particles and aerosols
  - Flame resistance

- **Light Chemical Exposure**
  - Non-hazardous particles, liquids and aerosols
  - Non-hazardous particles

- **Non-hazardous particles**

- **Flame resistance**

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D = Dual  FR = Flame Resistant  SFR = Secondary Flame Resistant

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 DuPont™ Tychem® and DuPont™ Tyvek® to 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

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

DuPont™ 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 (SF or MF)
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. They have limited durability and barrier performance, especially against liquids.

Spunbonded 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.

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.

The high-visibility colors chosen for DuPont™ Tychem® fabrics were based on extensive research. For example, the human eye is more sensitive to the lime yellow of 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® 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.

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.
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.

TY 120 S WH LG 0025 00

Fabric
The first two characters are the fabric description.

Abbreviations

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

DuPont® Tyvek®
TJ 800 J
TY 600
TY 500
TY 400
TD 400 D
FC 400 FC

DuPont® ProShield®
P3 70
NG 60
NB 50
PB 10
TM 6 SFR

Style

Seam Construction
Abbreviations
S Serged or Sewn
B Bound
T Taped or Double Taped

See page 7 for details.

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

Case Count
The number of garments per case.

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

Not all option codes are available for all products; refer to catalog descriptions for details.

See next page for abbreviations.

Case Count
The number of garments per case.

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.

Seam Construction
Abbreviations
S Serged or Sewn
B Bound
T Taped or Double Taped

See page 7 for details.

Color
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.

Several DuPont fabrics are available in color options.

Abbreviations
BU Blue
GY Gray
LY Lime Yellow
OR Orange
SV Silver
TN Tan
WH White
YL Yellow

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.

*Not all sizes are available in all styles.
## Product Part Numbers

### Option code abbreviations

<table>
<thead>
<tr>
<th>Option 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>Showa Best® 892 outer glove</td>
</tr>
<tr>
<td>5V</td>
<td>Showa Best® 890</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>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>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>
</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.
## Permeation Data

### 21 Industrial Chemicals

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Physical Phase</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>Acetone</td>
<td>67-64-1</td>
<td>L imm.</td>
<td>imm.</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Acetonitrile</td>
<td>75-05-8</td>
<td>L imm.</td>
<td>60</td>
<td>imm.</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Ammonia</td>
<td>7664-41-7</td>
<td>G imm.</td>
<td>26</td>
<td>imm.</td>
<td>20</td>
<td>90</td>
</tr>
<tr>
<td>1,3-Butadiene</td>
<td>106-99-0</td>
<td>G imm.</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Carbon disulfide</td>
<td>75-15-0</td>
<td>L imm.</td>
<td>imm.</td>
<td>16</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Chlorine</td>
<td>7782-50-5</td>
<td>G imm.</td>
<td>480</td>
<td>imm.</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Diethylamine</td>
<td>109-89-7</td>
<td>L imm.</td>
<td>15</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>N,N-Dimethylformamide</td>
<td>68-12-2</td>
<td>L imm.</td>
<td>90</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>141-78-6</td>
<td>L imm.</td>
<td>imm.</td>
<td>imm.</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>75-21-8</td>
<td>G imm.</td>
<td>imm.</td>
<td>imm.</td>
<td>126</td>
<td>480</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>110-54-3</td>
<td>L imm.</td>
<td>imm.</td>
<td>imm.</td>
<td>480</td>
<td>480</td>
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<tr>
<td>Hydrogen chloride</td>
<td>7647-01-0</td>
<td>G imm.</td>
<td>480</td>
<td>480</td>
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<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>L imm.</td>
<td>480</td>
<td>imm.</td>
<td>117</td>
<td>480</td>
</tr>
<tr>
<td>Methyl chloride</td>
<td>74-87-3</td>
<td>G imm.</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Nitrobenzene</td>
<td>98-95-3</td>
<td>L imm.</td>
<td>57</td>
<td>480</td>
<td>480</td>
<td>480</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>
</tr>
<tr>
<td>Sulfuric acid</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>
</tr>
<tr>
<td>1,1,2,2-Tetrachloroethylene</td>
<td>127-18-4</td>
<td>L imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
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<tr>
<td>Tetrahydrofuran</td>
<td>109-99-9</td>
<td>L imm.</td>
<td>imm.</td>
<td>&gt;480</td>
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<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>L imm.</td>
<td>imm.</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
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</table>

### Chemical Warfare Agents**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS #</th>
<th>Physical Phase</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>Lewisite (L)</td>
<td>541-25-3</td>
<td>L nt</td>
<td>&gt;360 1</td>
<td>120 1</td>
<td>360 2</td>
<td>360 2</td>
<td></td>
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<tr>
<td>Mustard (HD)</td>
<td>505-60-2</td>
<td>L nt</td>
<td>180 1</td>
<td>120 1</td>
<td>480 2</td>
<td>480 2</td>
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<tr>
<td>Tabun (GA)</td>
<td>77-81-6</td>
<td>L nt</td>
<td>nt</td>
<td>nt</td>
<td>480 6</td>
<td>480 6</td>
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</tr>
<tr>
<td>Sarin (GB)</td>
<td>107-44-8</td>
<td>L nt</td>
<td>&gt;60 3</td>
<td>120 3</td>
<td>480 6</td>
<td>480 6</td>
<td></td>
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<tr>
<td>Soman (GD)</td>
<td>99-64-0</td>
<td>L nt</td>
<td>nt</td>
<td>&gt;480 3</td>
<td>480 6</td>
<td>480 6</td>
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<tr>
<td>VX Nerve Agent</td>
<td>50782-69-9</td>
<td>L nt</td>
<td>&gt;480 3</td>
<td>&gt;480 3</td>
<td>&gt;480 6</td>
<td>&gt;480 6</td>
<td></td>
</tr>
</tbody>
</table>

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

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.

*Serger 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.

Normalised Breakthrough Time (NBT) shown in minutes.

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:
1. Protocol DN3-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours at 10 g/m².
2. Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 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 12 hours at 100 g/m² (total coverage).
4. Protocol DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 12 hours at 100 g/m² (total coverage).
### Permeation Data

#### 21 Industrial Chemicals

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Physical Phase</th>
<th>Tychem® 9000</th>
<th>Tychem® RESPONDER® CSM</th>
<th>Tychem® 10000</th>
<th>Tychem® 10000 FR</th>
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</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
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<td>75-05-8</td>
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<td>7664-41-7</td>
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<td>133</td>
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<td>106-99-0</td>
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<tr>
<td>75-15-0</td>
<td>L</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>7782-50-5</td>
<td>G</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
<td>&gt;480</td>
</tr>
<tr>
<td>75-09-2</td>
<td>L</td>
<td>&gt;480</td>
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<tr>
<td>109-99-9</td>
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#### Chemical Warfare Agents

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS #</th>
<th>Physical Phase</th>
<th>Tychem® 9000</th>
<th>Tychem® RESPONDER® CSM</th>
<th>Tychem® 10000</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&lt;sup&gt;1&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;1&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>Mustard (HD)</td>
<td>505-60-2</td>
<td>L</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>Tabun (GA)</td>
<td>77-81-6</td>
<td>L</td>
<td>&gt;480&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>Sarin (GB)</td>
<td>107-44-8</td>
<td>L</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>Soman (GD)</td>
<td>99-64-0</td>
<td>L</td>
<td>&gt;480&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>VX Nerve Agent</td>
<td>50782-69-9</td>
<td>L</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
<td>&gt;480&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

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

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

**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.

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

All DuPont 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:**

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

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. SafeSPEC.DuPont.com or contact DPP Customer Service at 1-800-931-3456.


**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 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.

---

**DuPont® 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></td>
<td>General dirt &amp; grime</td>
<td>Animal waste</td>
</tr>
<tr>
<td>Tyvek® 400</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>Tyvek® 500</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>Tyvek® 600</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>Tyvek® 800 J</td>
<td>● ● ● ● ●</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>ProShield® 60</td>
<td>○ ○ ○</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>ProShield® 50</td>
<td>○ ○ ○</td>
<td>● ● ● ● ● ●</td>
</tr>
<tr>
<td>ProShield® 10</td>
<td>○ ○ ○</td>
<td>● ● ● ● ● ●</td>
</tr>
<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. Severed 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 when 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 seam sews, where the seam thread is visible on the outside of the garment. Tyvek® 500 and Tyvek® 600 offer improved liquid barrier, but may not be appropriate if spotting is observed on the skin or garments worn under the protective garment. In applications where a higher liquid barrier is needed, consider Tychem® 2000 and Tychem® 4000 garments with taped seams.

**ProShield®** 6 SFR garments are flame retardant treated, not inherently flame resistant, and are intended to be worn OVER primary flame-resistant protective apparel such as Nomex® IIIA. It is the user’s responsibility to determine the nature and level of hazard and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact DuPont for specific data. If the garment becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

**Latex Statement:** As of January 1, 2006, DuPont production specifications exclude use of components containing natural rubber latex in the manufacture of DuPont® Tyvek® IsoClean®, ProClean®, and ProShield® garments. Tyvek® 500, Tyvek® 600 and Tyvek® 800 J 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.

---

**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 are flame retardant treated and intended to be worn over primary flame-resistant garments.
2. Garments should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping may occur.
3. 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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.
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. Tyvek® coveralls and ProShield® 60 coveralls can be considered for use with the appropriate respirators and other suitable PPE to minimize contact with isocyanate paint aerosols. Tyvek® garments are not appropriate if they are getting wet (paint is dripping or running, or wet to the touch) or if spotting is observed on skin or garments worn under the coveralls. Tychem® aprons and smocks are available for situations where prolonged liquid exposure may be limited to the front of the torso and/or arms of the wearer. These aprons and smocks can be worn with Tyvek® to provide localized protection while limiting the level of thermal discomfort.
## Product Line by Hazard

**DuPont® 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 chemical splash</th>
<th>Potential flash fire exposure &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>
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<td>●</td>
<td></td>
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<tr>
<td>Tychem® 4000</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>○</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
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<tr>
<td>Tychem® 5000</td>
<td>○</td>
<td>●</td>
<td>●</td>
<td>○</td>
<td>●</td>
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<tr>
<td>Tychem® 6000</td>
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<tr>
<td>Tychem® 6000 FR</td>
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<td>●</td>
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<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Tychem® RESPONDER® CSM</td>
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<td>●</td>
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<td>●</td>
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<td>Tychem® 10000</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.*
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.

1Styles do not have storm flaps.

2These 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.

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

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

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

ProShield® 6 SFR is blue
## DuPont™ ProShield® 10

**Original Name: ProShield® Basic**

<table>
<thead>
<tr>
<th><strong>Coverall</strong></th>
<th><strong>Labcoat</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PB120SWHXX002500</td>
<td>PB212SBUXX003000</td>
</tr>
</tbody>
</table>
| PB120SBUXX002500 | **serged seams**  
|  
| collar  
| front zipper closure  
| storm flap  
| MD-5X  
| | **front snap closure**  
| **two pockets**  
| SM-7X  
| | **serged seams**  
| **collar**  
| **front zipper closure**  
| **storm flap**  
| **elastic wrists**  
| **elastic ankles**  
| MD-5X  
| | **serged seams**  
| **collar**  
| **front snap closure**  
| **two pockets**  
| SM-7X  
| | **serged seams**  
| **collar**  
| **front zipper closure**  
| **storm flap**  
| **elastic wrists**  
| **elastic ankles**  
| MD-5X  
| | **serged seams**  
| **attached hood**  
| **front zipper closure**  
| **storm flap**  
| **elastic wrists**  
| **elastic ankles**  
| MD-5X  
| | **serged seams**  
| **mandarin collar**  
| **set sleeve**  
| **knit cuff**  
| **enclosed elastic wrist**  
| **front snap closure**  
| **(6 + 1 adjustable)**  
| **pockets**  
| **(1 left chest pencil, 2 lower front)**  
| SM-4X  
| | **serged seams**  
| **mandarin collar**  
| **front zipper closure**  
| **elastic wrists**  
| **MD-4X**  
| | **serged seams**  
| **knit collar**  
| **set sleeve**  
| **knit cuff**  
| **two pockets**  
| SM-7X  
| | **serged seams**  
| **mandarin collar**  
| **front zipper closure**  
| **elastic wrists**  
| **MD-4X**  

**PB127S**

**Comfort and quality at an affordable price**

Spunbond-meltblown-spunbond (SMS) garments

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

ProShield® 10 is available in blue or white, and gray in style 127.
DuPont™ ProShield® 50
Original Name: new garment

<table>
<thead>
<tr>
<th>Coverall</th>
<th>NB120SWHXX002500</th>
<th>NB122SWHXX002500</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>serged seams</td>
<td>serged seams</td>
</tr>
<tr>
<td></td>
<td>collar</td>
<td>attached hood</td>
</tr>
<tr>
<td></td>
<td>front zipper closure</td>
<td>front zipper closure</td>
</tr>
<tr>
<td></td>
<td>SM-6X</td>
<td>SM-6X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coverall</th>
<th>NB125SWHXX002500</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>serged seams</td>
</tr>
<tr>
<td></td>
<td>collar</td>
</tr>
<tr>
<td></td>
<td>front zipper closure</td>
</tr>
<tr>
<td></td>
<td>elastic wrists</td>
</tr>
<tr>
<td></td>
<td>elastic ankles</td>
</tr>
<tr>
<td></td>
<td>SM-6X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coverall</th>
<th>NB127SWHXX002500</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>serged seams</td>
</tr>
<tr>
<td></td>
<td>attached hood (respirator fit) ^1</td>
</tr>
<tr>
<td></td>
<td>front zipper closure</td>
</tr>
<tr>
<td></td>
<td>storm flap</td>
</tr>
<tr>
<td></td>
<td>elastic wrists</td>
</tr>
<tr>
<td></td>
<td>elastic ankles</td>
</tr>
<tr>
<td></td>
<td>SM-6X</td>
</tr>
</tbody>
</table>

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

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

Customer Service 1-800-931-3456  SafeSPEC.DuPont.com  PersonalProtection.DuPont.com  16
# DuPont ProShield® 60

Original Name: ProShield® NexGen®

<table>
<thead>
<tr>
<th><strong>Coverall</strong></th>
<th><strong>Apron</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>NG120SWHXX002500</td>
<td>NG273BWHXX010000</td>
</tr>
<tr>
<td>serged seams</td>
<td>bound seams</td>
</tr>
<tr>
<td>collar</td>
<td>bound neck and ties</td>
</tr>
<tr>
<td>front zipper closure</td>
<td>bib style</td>
</tr>
<tr>
<td>SM-6X</td>
<td>28” x 36”</td>
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<tr>
<td>one size fits most</td>
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<tr>
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<th><strong>Labcoat</strong></th>
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<td>NG212SWHXX003000</td>
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<tr>
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<td>front snap closure</td>
</tr>
<tr>
<td>elastic wrists</td>
<td>two pockets</td>
</tr>
<tr>
<td>elastic ankles</td>
<td>SM-6X</td>
</tr>
<tr>
<td>SM-5X</td>
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<table>
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<tr>
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<th><strong>Sleeve</strong></th>
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<td>NG500SWHXX020000</td>
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<td>serged seams</td>
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<tr>
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<td>elastic top</td>
</tr>
<tr>
<td>front zipper closure</td>
<td>elastic wrist</td>
</tr>
<tr>
<td>storm flap</td>
<td>18” length</td>
</tr>
<tr>
<td>elastic wrists</td>
<td>one size fits most</td>
</tr>
<tr>
<td>elastic ankles</td>
<td></td>
</tr>
<tr>
<td>SM-7X</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th><strong>Coverall</strong></th>
<th><strong>Shoe Cover</strong></th>
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</thead>
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<td>serged seams</td>
</tr>
<tr>
<td>attached hood</td>
<td>elastic opening</td>
</tr>
<tr>
<td>front zipper closure</td>
<td>5” height</td>
</tr>
<tr>
<td>elastic wrists</td>
<td>ProShield® 60 fabric shaft</td>
</tr>
<tr>
<td>elastic ankles</td>
<td>PVC sole</td>
</tr>
<tr>
<td>attached skid-resistant boots</td>
<td>SM-XL</td>
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<td>SM-6X</td>
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<tr>
<th><strong>Coverall</strong></th>
<th><strong>Boot Cover</strong></th>
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<td>NG456SWHXX010000</td>
<td></td>
</tr>
<tr>
<td>serged seams</td>
<td>elastic opening</td>
</tr>
<tr>
<td>elastic ankle</td>
<td>18” height</td>
</tr>
<tr>
<td>ProShield® 60 fabric shaft</td>
<td>PVC sole</td>
</tr>
<tr>
<td>SM—XL</td>
<td></td>
</tr>
</tbody>
</table>

**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**

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

**P3450SGYXX020000**  
- Serged seams  
- Elastic opening  
- 5" height  
- ProShield® 70 fabric  
- Skid resistant  
- One size fits most

### Boot Cover

**P3452SGYXX010000**  
- Serged seams  
- Elastic opening  
- 10" height  
- ProShield® 70 fabric  
- Skid resistant  
- One size fits most

### Boot Cover

**P3454SGYXX010000**  
- Serged seams  
- Elastic opening  
- 18" height  
- ProShield® 70 fabric  
- Skid resistant  
- One size fits most

---

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.

---

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

Provides non-hazardous liquid splash protection.

ProShield® 70 is gray.
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.

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 fabric on the front and hood
Tyvek® fabric is composed of flashspun high-density polyethylene, which creates a unique nonwoven material available only from DuPont
Tyvek® 400 fabric provides an ideal balance of protection, durability and comfort compared to any limited-use fabric technology
Tyvek® 400 fabric’s durability delivers a consistently better barrier, even after wear and abrasion
Tyvek® 400 is white

DuPont™ 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

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

Customer Service 1-800-931-3456  SafeSPEC.DuPont.com  PersonalProtection.DuPont.com
An ideal balance of protection, durability and comfort

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

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

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

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

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

Tyvek® 400 is white

G1 = Reduced case quantity

**NS = Non-skid material**

**NF = NAFTA/TAA compliant**

**VP = Vend packed**

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®

Frock
- TY210SWHXX003000
  - SM-7X
- TY210SWHXX0030VP
  - MD-4X
  - serged seams
collar
front snap closure

Frock
- TY211SWHXX003000
  - serged seams
collar
front snap closure
elastic wrists
knee length
SM-7X

Frock
- TY216SWHXX003000
  - serged seams
mandarin collar
front snap closure
elastic wrists
SM-5X

Shirt
- TY303SWHXX005000
  - SM-7X
- TY303SWHXX0012G1
  - MD-4X
- TY303SWHXX0050VP
  - MD-3X
  - serged seams
collar
front snap closure
long sleeve

Pants
- TY350SWHXX005000
  - SM-7X
- TY350SWHXX0012G1
  - MD-4X
- TY350SWHXX0050VP
  - MD-3X
  - serged seams
elastic waist

Apron
- TY273BWHXX010000
- TY273BWHXX0100VP
  - bound seams
bound neck & ties
bib style
28” x 36”
one size fits most

Sleeve
- TY500SWHXX020000
- TY500SWHXX0200NF
  - NAFTA/TAA COMPLIANT
  - serged seams
elastic top
elastic wrist
18” length
one size fits most

Hood
- TY657SWHXX010000
  - serged seams
pullover
elastic face
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.

LEVEL OF PROTECTION
DuPont™ Tyvek® 400 Boot and Shoe Covers
Original Name: Tyvek® Boot and Shoe Covers

Shoe Cover
- TY450SWHXX020000
  Tyvek® fabric
  serged seams
  elastic opening
  5” height
  one size fits most

Shoe Cover
- TY450SWHXX0200LG
  Tyvek® fabric
  serged seams
  elastic opening
  8.25” height
  one size fits most

Boot Cover
- TY452SWHXX010000
  Tyvek® fabric
  serged seams
  elastic opening
  10” height
  one size fits most

Boot Cover
- TY454SWHXX010000
  Tyvek® fabric
  serged seams
  elastic opening
  18” height
  one size fits most

Boot Cover—Tyvek® 400 FC
- FC450SGYXX020000
  Tyvek® FC fabric
  serged seams
  elastic opening
  5” height
  one size fits most

Boot Cover—Tyvek® 400 FC
- FC450SGYXX0200NF
  NAFTA/TAA COMPLIANT
  Tyvek® FC fabric
  serged seams
  elastic opening
  8.25” height
  skid resistant
  one size fits most

Boot Cover—Tyvek® 400 FC
- FC454SGYXX010000
  Tyvek® FC fabric
  serged seams
  elastic opening
  18” height
  skid resistant
  one size fits most

Boot Cover—Tyvek® 400 FC
- FC454SGYXX0100SR
  Tyvek® FC fabric
  serged seams
  elastic opening
  18” height
  skid resistant
  LG-XL

Skid-resistant materials for shoe/boot covers to prevent slipping

Tyvek® 400 with Friction Coating

Tyvek® 400 FC is gray

LG = 8.25” high shoe cover

NF = NAFTA/TAA compliant

SR = Skid resistant

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

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

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.
**DuPont™ Tyvek® 500/600**

**Original Name: Tyvek® Xpert/Tyvek® Plus**

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### Coverall—Tyvek® 500

- TY198SWHXX002500
- external serged seam
- attached hood
- storm flap
- elastic wrists
- elastic ankles
- CE certified
- Category III Type 5-B and 6-B
- SM-7X

**Tyvek® 500 Garments**

- 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.

---

### Coverall—Tyvek® 600

- TY198TWHXX0025PI
- taped seam
- attached hood (respirator fit)
- storm flap
- elastic wrists
- elastic ankles
- CE certified
- Category III Type 4-B, 5-B and 6-B
- SM-7X

**Tyvek® 600 Garments**

- 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.

---

**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.

---

*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.

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23
DuPont™ Tyvek® 800 J
Original Name: new garment

Coverall

TJI98TWHXX0025PI

Taped seam
Attached hood (respirator fit)\(^1\)
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

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

**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.

\(^1\)Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. 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.
**DuPont™ Tychem® 2000**

Original Name: Tychem QC

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<tr>
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<th>QC125SYLXX001200</th>
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<td>front zipper closure</td>
<td>front zipper closure</td>
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<tr>
<td></td>
<td>SM-7X</td>
<td>MD-7X</td>
<td>MD-7X</td>
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</tbody>
</table>

**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

---

Please note that Tychem fabrics have different permeation performance. Please check SafeSPEC on our website 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 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:** Tychem 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. Users of Tychem 6000 FR and Tychem 10000 FR 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

Coverall
- QC122BYLXX001200 Bound seams
- QC122BYLXX0012BN Bound seams ♠ BERRY AMENDMENT COMPLIANT♠
- QC122TYLXX000400 Taped seams
attended hood
front zipper closure
storm flap with tape closure
elastic wrists
attached socks
SM-4X

Coverall
- QC127BYLXX001200 Bound seams
- QC127TYLXX000400 Taped seams
attended hood
front zipper closure
storm flap
elastic wrists
elastic ankles
one size fits most

Coverall
- QC127SYLXX001200 serged seams
attended hood
front zipper closure
elastic wrists
elastic ankles
MD-7X

Apron
- QC273BYLXX010000 bound neck & ties
bib style
36˝ 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
- QC278BYLXX001200 bound seams
attached long sleeves
bound yoke neck without snaps
waist ties
elastic wrists
52˝ long
one size fits most

Sleeve
- QC500BYLXX020000 bound seam
elastic top
elastic wrist
18˝ length
one size fits most

Only BN option codes are Berry Amendment compliant.
Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ on our website 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® 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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 SFR
Original Name: new garment

Coming Soon
Effective protection against a range of chemicals

Uses include waste management, hazardous response and nuclear environments

Tychem® 4000 is Saranex™ 23-P film laminated to Tyvek® fabric

Rugged and durable

Tychem® 4000 is white for high visibility

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

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

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

Coverall

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<td>SL127TWHXX000600</td>
<td>Taped seams, MD-6X</td>
</tr>
</tbody>
</table>

Coverall

<table>
<thead>
<tr>
<th>Style Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL128BWHXX001200</td>
<td>Bound seams, MD-7X</td>
</tr>
<tr>
<td>SL128TWHXX000600</td>
<td>Taped seams, MD-6X</td>
</tr>
</tbody>
</table>

WARNING: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Apron
- SL274BWHXX005000
  - bound neck & ties
  - bib style
  - 36” long
  - one size fits most

Apron
- SL275TWHXX002500
  - taped seams
  - raw edge neck with snaps
  - attached long sleeves
  - waist ties
  - elastic wrists
  - 44” long
  - SM-4X

Apron
- SL278BWHXX001200
  - bound seams
  - bound yoke neck without snaps
  - 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™ on our website for permeation data that meets your specific needs.

Stock/Make to Order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice. Seams and closures have less barrier than fabric. Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. Note: Not all sizes available in all styles.

WARNING: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Strong and durable garments with broad chemical barrier
Tychem® 5000 is a multi-layer barrier film laminated to a durable polypropylene fabric
Tychem® 5000 provides at least 30 minutes of protection against >145 chemical challenges
Uses include chemical and petrochemical handling, hazardous materials/waste cleanup, industrial HazMat teams, utilities and domestic preparedness
Tychem® 5000 is tan for discretionary purposes
Tychem® 5000 198T/199T are certified to NFPA 1992

Coverall
- C3122TNXX0006BN
  - SM-SX
  - BERRY AMENDMENT COMPLIANT
- C3122TNXX000600
  - SM-7X
  - taped seams
  - attached hood
  - front zipper closure
  - storm flap with tape closure
  - elastic wrists
  - attached socks

Coverall
- C3125TNXX000600
  - SM-5X
  - taped seams
  - collar
  - front zipper closure
  - storm flap with tape closure
  - elastic wrists
  - elastic ankles

Coverall
- C3127TNXX000600
  - SM-5X
  - taped seams
  - attached hood
  - front zipper closure
  - storm flap with tape closure
  - elastic wrists
  - elastic ankles

Coverall
- C3128TNXX000600
  - BERRY AMENDMENT COMPLIANT
- C3128TNXX0006BN
  - taped seams
  - attached hood (respirator fit)
  - front zipper closure
  - storm flap with tape closure
  - elastic wrists
  - attached socks
  - outer boot flaps with elastic
  - SM-5X

Apron
- C3275TNXX000600
  - taped seams
  - bound snap neck
  - attached long sleeves
  - waist ties
  - elastic wrists
  - 44” long
  - SM-4X

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

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.

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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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
  - front zipper closure
  - double storm flaps with hook-and-loop closure
  - attached jam fit removable/field replaceable neoprene outer/multi-layer laminate inner gloves
  - attached socks¹
  - outer boot flaps
  - SM-4X

**Coverall — HD design**
- C3185TTNXX000600
  - taped seams
  - attached hood (respirator fit)²
  - front zipper closure
  - double storm flaps with hook-and-loop closure
  - attached jam fit removable/field replaceable neoprene outer/multi-layer laminate inner gloves
  - attached socks¹
  - outer boot flaps
  - SM-4X

**Coverall — HD design — Certified to NFPA 1992**
- C3198TTNXX000600
  - taped seams
  - attached hood (respirator fit)²
  - front 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**
- C3198TTNXX0006BN
  - BERRY AMENDMENT COMPLIANT
  - taped seams
  - attached hood (respirator fit)²
  - front zipper closure
  - double storm flaps with hook-and-loop closure
  - elastic wrists
  - attached socks¹
  - outer boot flaps
  - SM-5X

**Coverall HD design — Certified to NFPA 1992**
- C3199TTNXX000600
  - taped seams
  - attached hood (respirator fit)²
  - front 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
  - BERRY AMENDMENT COMPLIANT
  - taped seams
  - attached hood (respirator fit)²
  - front zipper closure
  - double storm flaps with hook-and-loop closure
  - elastic wrists
  - attached socks¹
  - outer boot flaps
  - SM-5X

**Coverall HD design — Certified to NFPA 1992**
- C3199T
  - Only BN option codes are Berry Amendment compliant.
  - Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ on our website 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Customer Service 1-800-931-3456  SafeSPEC.DuPont.com  PersonalProtection.DuPont.com
DuPont™ Tychem® 5000
Original Name: Tychem® CPF 3

Hood
- C3651TTNXX000600
  - 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
  - SM-4X
- C3670TTNXX00606JF
  - SM-4X
  - taped seams
  - mandarin collar
  - jam fit cuff
  - front zipper closure
  - double storm flaps
  - hook-and-loop closure
  - elastic wrists

Combo Suit (Jacket and Bib Overall)
- C3750TTNXX000600
  - JACKET
  - taped seams
  - mandarin collar
  - jam fit cuff
  - front zipper closure
  - 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™ on our website for permeation data that meets your specific needs.

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

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

Seams and closures have less barrier than fabric.

Note: Not all sizes available in all styles.

WARNING: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Encapsulated Level B
C3525TTNXX000600
front entry
taped seams
standard faceshield (20 mil PVC)
zipper closure
double storm flaps with hook-and-loop closure
one exhaust vent flat back
elastic ankles
air access left side
SM-4X

Encapsulated Level B
C3526TTNXX000600
rear entry
taped seams
standard faceshield (20 mil PVC)
zipper closure
double storm flaps with hook-and-loop closure
one exhaust vent flat back (airline access)
elastic wrists
attached socks1
outer boot flaps
SM-4X

Encapsulated Level B
C3528TTNXX000600
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
SM-4X

Please note that Tychem® fabrics have different permeation performance. Please check SafeSPEC™ on our website 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® 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Coverall

TF145TGYXX0006TV
- TAA COMPLIANT
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- elastic ankles
- SM-5X

TF145TGYXX000600
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- elastic ankles
- SM-5X

Coverall

TF169TGYXX0006TV
- TAA COMPLIANT
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- elastic ankles
- attached socks
- SM-5X

TF169TGYXX000600
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- elastic ankles
- attached socks
- SM-5X

Coverall

TF186TGYXX0006PI
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- attached butyl gloves
- attached socks
- outer boot flaps
- MD-5X

TYFCHA

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

Strong and durable with broad chemical barrier

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

Successfully tested by Soldier and Biological Chemical Command (SBCCOM) 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

Coverall

TYFCHA5TORXX002500
- taped seams
- attached hood (respirator fit)
- front zipper closure
- storm flap with tape closure
- elastic wrists
- elastic ankles
- thumb loops
- chin flap
- MD-2X

Chemical Protective Clothing, Category III, Type 3-B, 4-B, 5-B and 6-B

EN 14126 (barrier to infective agents)

EN 1073-2 (protection against radioactive contamination)

EN 1149-5 (antistatic treatment on inside)

WARNING: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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™ on our website 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Coverall—
Certified to NFPA 1992 and NFPA 2112 and Meets NFPA 70E Category 2

- TP198TGYXX000200
- TP198TGYXX0002BN (Berry Amendment Compliant)
- TP198TORXX000200
- TP198TORXX0002BN (Berry Amendment Compliant)

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

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


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.

Coverall—
Certified to NFPA 1992 and NFPA 2112 and Meets NFPA 70E Category 2

- TP199TGYXX000200
- TP199TGYXX0002BN (Berry Amendment Compliant)
- TP199TORXX000200
- TP199TORXX0002BN (Berry Amendment Compliant)

Taped seams
Attached hood with drawstring (respirator fit)
Front zipper closure
Double storm flaps
Elastic wrists
Attached socks
Outer boot flaps
SM-5X

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.

Only BN option codes are Berry Amendment compliant.

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

2Respirator 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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™ on our website 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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

**Encapsulated Level A**

<table>
<thead>
<tr>
<th>BR 557TYLXX00017R</th>
</tr>
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<tbody>
<tr>
<td>Rear entry</td>
</tr>
<tr>
<td>Taped seams</td>
</tr>
<tr>
<td>EX (extra wide)</td>
</tr>
<tr>
<td>Three-layer</td>
</tr>
<tr>
<td>Faceshield</td>
</tr>
<tr>
<td>PVC 40 mil</td>
</tr>
<tr>
<td>Teflon® 5 mil</td>
</tr>
<tr>
<td>PVC 20 mil</td>
</tr>
<tr>
<td>Gas-tight PVC</td>
</tr>
<tr>
<td>Zipper closure</td>
</tr>
<tr>
<td>Double storm flaps</td>
</tr>
<tr>
<td>Hook-and-loop closure</td>
</tr>
<tr>
<td>Two exhaust valves</td>
</tr>
<tr>
<td>Flat back</td>
</tr>
<tr>
<td>Internal adjustment belt</td>
</tr>
<tr>
<td>Attached internal multi-layer laminate gloves</td>
</tr>
<tr>
<td>Attached butyl gloves</td>
</tr>
<tr>
<td>Attached socks¹</td>
</tr>
<tr>
<td>Outer boot flaps</td>
</tr>
<tr>
<td>Elastic</td>
</tr>
<tr>
<td>XL-4X</td>
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**Encapsulated Level B**

<table>
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<tr>
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</thead>
<tbody>
<tr>
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<tr>
<td>Taped seams</td>
</tr>
<tr>
<td>Standard faceshield</td>
</tr>
<tr>
<td>(20 mil PVC)</td>
</tr>
<tr>
<td>Zipper closure</td>
</tr>
<tr>
<td>Double storm flaps</td>
</tr>
<tr>
<td>Hook-and-loop closure</td>
</tr>
<tr>
<td>Two exhaust vents</td>
</tr>
<tr>
<td>Expanded back</td>
</tr>
<tr>
<td>Elastic wrists</td>
</tr>
<tr>
<td>Attached socks¹</td>
</tr>
<tr>
<td>Outer boot flaps</td>
</tr>
<tr>
<td>Elastic</td>
</tr>
<tr>
<td>MD-4X</td>
</tr>
</tbody>
</table>

Broad protection for hazardous material handlers
Uses include chemical handling and petrochemical manufacturing
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

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

**WARNING:** Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Coverall
- BR125TYLXX000200
  - taped seams
  - collar
  - front zipper closure
  - double storm flaps with tape closure
  - elastic wrists
  - elastic ankles
  - SM-5X

Coverall
- BR127TYLXX000200
  - SM-6X
- BR127TYLXX0002BN
  - SM-5X
  - **BERRY AMENDMENT COMPLIANT**
  - taped seams
  - attached hood (respirator fit)
  - front zipper closure
  - double storm flaps with tape closure
  - elastic wrists
  - elastic ankles

Coverall
- BR128TYLXX000200
  - SM-7X
- BR128TYLXX0002BN
  - SM-5X
  - **BERRY AMENDMENT COMPLIANT**
  - taped seams
  - attached hood (respirator fit)
  - front zipper closure
  - double storm flaps with tape closure
  - elastic wrists
  - attached socks
  - outer boot flaps with elastic

Coverall
- BR128TYLXX000200
  - SM-7X
- BR128TYLXX0002BN
  - SM-5X
  - **BERRY AMENDMENT COMPLIANT**
  - taped seams
  - attached hood (respirator fit)
  - front zipper closure
  - double storm flaps with tape closure
  - elastic wrists
  - attached socks
  - outer boot flaps with elastic

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
    - jam cuff
    - front zipper closure
    - 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™ on our website 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® 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.

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.

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:** Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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

Front entry

double taped seams
two-layer faceshield
(Teflon® 5 mil / PVC 40 mil)
gas-tight zipper closure
double storm flap with hook-and-loop closure
two Pirelli® exhaust valves
expanded back
attached butyl gloves
(mil. spec. glove)
attached socks¹
outer boot flaps
⭐ NAFTA/TAA compliant

**Overall**

- RC128TTNX000100

double taped seams
attached hood (respirator fit)²
front zipper closure
double storm flap with hook-and-loop closure
attached butyl gloves
(mil. spec. glove) with attached conical cuff for jam fit
attached socks¹
outer boot flaps
SM-4X
⭐ NAFTA/TAA compliant

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

²Respirator 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.

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

Used for military weapon demilitarization

Suited for HazMat and domestic preparedness situations

Lightweight fabric of multiple film barriers laminated to both sides of a polypropylene fabric

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

Tychem® RESPONDER® CSM is tan for discretionary purposes

All Tychem® RESPONDER® CSM suits are NAFTA/TAA compliant
DuPont™ Tychem® 10000
Original Name: Tychem® TK

**Encapsulated Level A**

- **TK554TLYXX000100**
  - MD-4X
- **TK554TLYXX00015C**
  - MD-4X
- **TK554TLYXX00017S**
  - call for sizing

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
  - ★ NAFTA/TAA compliant

**Encapsulated Level A—Certified to NFPA 1994 Class 2**

- **TK612TLYXX000100**
  - Front entry, MD-4X
- **TK613TLYXX000100**
  - Rear entry, call for sizing

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
- internal adjustment belt
- attached two-layer gloves (multi-layer laminate/neoprene)
- attached socks
- outer boot flaps
  - ★ NAFTA/TAA compliant

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

Tychem® 10000 is high-visibility lime yellow

All Tychem® 10000 encapsulated suits are NAFTA/TAA compliant

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

**WARNING:** Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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™ on our website 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® 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.
**DuPont™ Tychem® 10000**

Original Name: Tychem® TK

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**Encapsulated Level A**

TK527LYXX000100

- 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
- Outer boot flaps with elastic

NAFTA/TAA compliant

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**Encapsulated Level B**

TK527LYXX000100

- Front entry
- 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 Guardian® butyl outer/multi-layer laminate internal gloves
- Attached socks
- Outer boot flaps with elastic

NAFTA/TAA compliant

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**Coverall**

TK128TLYXX000200

- Taped seams
- Attached hood (respirator fit)
- Front zipper closure
- Double storm flaps with tape closure
- Elastic wrists
- Attached socks
- Outer boot flaps with elastic

NAFTA/TAA compliant

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**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:** Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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™ on our website 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® 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.

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.
DuPont™ Tychem® 10000 FR
Original Name: Tychem® Reflector®

Fully Encapsulated Level A
Tychem® 10000 FR—Certified to NFPA 1991

- RF600TSVXX000100
- RF600TSVXX00017M
- RF600TSVXX00017N

front entry
triple taped seams
three-layer faceshield
(PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
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
★ NAFTA/TAA compliant

“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, 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™ on our website 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® 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: 1) 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. Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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® 10000 Fully Encapsulated Training Suit

TK586SLYXX000100
Front entry, MD-4X

TK586SLYXX00017W
Front entry, MD-4X

TK586STLYXX000100
Front entry, MD-6X

TK587SLYXX000100
Rear entry, MD-4X

EX (extra-wide) faceshield (20 mil PVC)
zipper closure
storm flap over zipper
internal waist belt
expanded back
attached butyl gloves
attached socks\(^1\)
outer boot flaps
clearly labeled as a training suit

★ NAFTA/TAA compliant

Cool-Guard® Vest
996000BU00000100
Personal cooling product.

Cool-Guard® Refills
9960300000000100
Spare set of 4

Glove Ring Assembly—Male Glove Insert
9996100000000200

Glove Ring Assembly
9901400000000100
Level B
Butyl o-rings
PVC glove rings

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: Tychem® 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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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 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 9001:2008 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
- DuPont™ 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, DuPont™ 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
## DuPont Controlled Environments

### DuPont Controlled Environments Garments

<table>
<thead>
<tr>
<th>Environments/Hazards</th>
<th>DuPont® Tyvek® IsoClean®</th>
<th>DuPont® Tyvek® Micro-Clean® 2-1-2</th>
<th>DuPont® ProClean®*</th>
<th>Considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO Class 5 Aseptic Cleanrooms (Former FED-STD-209E; Class 100)</td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</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><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
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<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</td>
<td>Tyvek® provides an inherent particle barrier and durability, and is low linting. Clean processing and bound seams should be considered for more critical environments.</td>
</tr>
<tr>
<td>Non-hazardous, dry particles</td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</td>
<td>Tyvek® provides an inherent barrier against small particles. Bound seam garments offer a higher level of protection than serged seam garments.</td>
</tr>
<tr>
<td>Non-hazardous, light liquid splash</td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</td>
<td>ProClean® provides an effective barrier against a variety of common non-hazardous liquids.</td>
</tr>
<tr>
<td>Hazardous powders Notice: DuPont Controlled Environments garments should not be used in potentially explosive or flammable environments.</td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</td>
<td>Use bound seamed garments when working with hazardous powders.</td>
</tr>
<tr>
<td>Hazardous liquid splash Examples: organic solvents, caustics</td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</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><img src="CleanProcessed" alt="Circle" /> <img src="Sterile" alt="Circle" /></td>
<td><img src="CleanProcessed" alt="Circle" /> <img src="Non-Sterile" alt="Non-Sterile" /></td>
<td><img src="Sterile" alt="Circle" /> ![Non-Sterile]**</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>

Comparison within the DuPont portfolio: ![Circle](Best) Best ![Circle](Better) Better (Blank) Not recommended  
*Barrier properties may be compromised through use.  
**Packaged individually.
DuPont Controlled Environments

**Coverall**
- IC253BWHXX00250B
  - SM-5X
- IC253BWHXX00250S
  - SM-5X
- IC253BWHXX00250C
  - SM-5X
- IC253BWHXX0025CS
  - SM-7X
  - bound seams
  - bound neck
  - dolman sleeve
  - covered elastic wrists & ankles
  - front zipper closure

**Boot Cover**
- IC447SWHXX01000B
  - MD-XL
- IC447SWHXX01000C
  - MD-XL
- IC447SWHXX01000CS
  - MD-2X
  - serged seams
  - elastic opening
  - elastic ankle
  - Gripper™ sole
  - 18” high

**Coverall**
- IC105SWHXX002500
  - IC105SWHXX00250C
  - IC105SWHXX0025CS
  - serged seams
  - standard hood
  - elastic hood opening
  - set sleeve
  - elastic wrists & ankles
  - attached thumb loops
  - front zipper closure
  - attached boots with PVC soles
  - MD-3X

**Boot Cover**
- IC458BWHXX01000B
  - MD-XL
- IC458BWHXX01000C
  - IC458BWHXX01000CS
  - bound seams
  - covered elastic opening
  - Gripper™ sole
  - 18” high

**Coverall**
- IC254BWHXX0025CS
  - bound seams
  - bound neck
  - dolman sleeve
  - covered elastic wrists & ankles
  - snaps for aseptic donning
  - SM-4X

**Boot Cover**
- IC457SWHXX01000B
  - IC457SWHXX01000S
  - IC457SWHXX01000CS
  - serged seams
  - covered elastic opening
  - ties at ankle
  - PVC sole
  - 18” high
  - MD-XL

**Shoe Cover**
- IC461SWHXX03000B
  - serged seams
  - elastic opening
  - PVC sole
  - elastic toe
  - 5” high
  - SM-XL

**DuPont™ Tyvek® IsoClean®**
Made from DuPont™ 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
Clean-processed garments offer lowest level of particle shedding within DuPont product portfolio
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 IsoClean® product portfolio
Traceability on all sterilized apparel
Gripper™ soles offer a higher level of slip resistance than standard PVC soles
Tyvek® IsoClean® is white

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

Frock
- IC270BWHXX003000
- IC270BWHXX00300C
- IC270BWHXX0030CS
  
  bound seams
  bound neck
  set sleeve
  covered elastic wrist
  front snap closure
  (6 + 1 adjustable)
  SM-4X

Lab Coat
- IC224SWHXX00300B
  
  serged seams
  laydown collar
  raglan sleeve
  front snap closure (5)
  pockets
  (1 left chest pencil, 2 lower front)
  SM-2X

Controlled Environment Mask
- ML7360WHXX0250BH
- ML7360WHXX02500S
  
  9” size
  bound Tyvek® ties
  pleated
  rayon outer facing
  metal nose piece
  one size fits most

Cuff Tape
- 994790WHXX04000S
  
  Made of Tyvek® IsoClean®
  20” long x 3” wide
  one size fits most

Hood
- IC668BWHXX01000B
- IC668BWHXX01000C
- IC668BWHXX0100CS
  
  bound seams
  full face opening
  bound hood opening
  ties with loops for fit
  one size fits most

Sleeves
- IC501BWHXX01000B
- IC501BWHXX01000C
- IC501BWHXX01000S
- IC501BWHXX0100CS
  
  bound seams
  covered elastic wrist, bicep
  18” length
  one size fits most

Coverall—DuPont® Tyvek® Micro-Clean® 2-1-2
- CC252BBUXX00250S
- CC252BBUXX00250PI
  
  bound seams
  bound neck with loop
  at center back
  dolman sleeve
  covered elastic wrists & ankles
  front zipper closure
  SM-5X

Made from DuPont® 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

OPTIONS

OS Sterile: individually packaged and
sterilized by gamma irradiation

PI Individually packaged in an opaque bag

Shoe Cover—ProShield® 30
- PE440SBUXX02000B
- PE440SWHXX020000
  
  serged seams
  elastic opening
  5.5” height
  MD-XL
  MD only available in white
  & bulk packaged
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 this garment;
2) Verify that the garment is appropriate for the user’s specific application;
3) Review and understand available information about the appropriate use of this garment;
4) Get trained in the proper use, handling, storage, maintenance and disposal of this garment;
5) Carefully inspect the garment for damage before and after use, including all fabric, seams and closures.

WARNING:

1) Tyvek® and most ProShield® garments are not flame resistant and should not be used around heat, flame, sparks or potentially flammable or explosive environments.
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. Users of Tychem® 6000 FR and Tychem® 10000 FR 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) 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 visors may provide less protection than fabric.
5) 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.
6) 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.
7) 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.

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, EXPRESSED 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. Any warranty for products offered in this catalog can be found in the Terms and Conditions for that product.