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The miracles of science™



DuPont Personal Protection

PRODUCT CATALOG



The miracles of science™



WHEN THE RESPONSIBILITY OF KEEPING OTHERS SAFE RESTS ON YOUR SHOULDERS, there's a company that takes your job as seriously as you—DuPont.

For more than 200 years, our scientists, engineers and technicians have responded to the world's safety needs with the best in safety technologies and innovations. And we've built our reputation on protecting industrial workers, first responders, law enforcement officers, military personnel and many others.

The science of protection. DuPont Personal Protection gives you the advantage of a wide range of proven, science-based solutions, including some of the most trusted and innovative brands in the industry, such as Tyvek®, Tychem®, ProShield®, Protera®, Nomex®, Kevlar® and more. We continue to innovate, making scientific breakthroughs in materials, garments and manufacturing, so you can offer your people industry-leading solutions that help protect them from harm while helping them accomplish the task at hand.

New science-based solutions. Whether you're concerned about meeting revised industry standards or are looking for a way to provide your people with enhanced protection due to new or increased hazards on the job, DuPont has a science-based solution for you. For example, our new Tychem® BR garment meets the stringent Class 2 requirements of the 2005 edition of NFPA 1992 and the 2007 edition of NFPA 1994. And, we recently introduced Tychem® QC for Corrections to meet the evolving needs of today's correction officers who need superior protection against biohazards such as blood, body fluids and viral contaminants.

Expertise and experience. Use this catalog to find out about the broad range of products and accessories we offer to help protect you day in and day out. If you have any questions, please contact a DuPont Personal Protection Sales Specialist. They're trained and ready to suggest educational programs and discuss your specific protective apparel needs. We also offer a 24-hour emergency hotline, 1-800-441-7515.

To learn why DuPont is the preferred choice in personal protection; to access our DuPont™ SafeSPEC™ 2.0 chemical hazard assessment tool; to receive a complete listing of DuPont Personal Protection sales specialists; or to download a copy of this catalog, visit our website at www.PersonalProtection.DuPont.com

DuPont service commitment and stocking program. DuPont is committed to providing service-level excellence to all of our distributors. This commitment includes a renewed focus on customer service, on-time delivery, sales/technical support and immediate access to product information. Details are provided on our distributor home page at www.PersonalProtection.DuPont.com. We appreciate your continued support.

BE DUPONT READY.



Choosing a chemical protective garment

Different jobs require different levels of protection. So DuPont Personal Protection offers a full spectrum of protective fabrics, garments and accessories to help meet those varying needs. At DuPont, safety and comfort are our business. The design and sizing of our garments are enhanced for a better fit and increased mobility, diminishing stress on the wearer, so they can concentrate on the job at hand.

From dust and dirt protection to the chemical protection of Tychem® suits, we've got you covered. Our garment manufacturing facilities are certified to ISO 9001-2000. The following information will help you make an informed decision on which garments best suit your requirements.

Our highly trained technical sales support staff can provide you with information that can help you choose the appropriate garments for your needs. Give us a call at 1-800-931-3456 to speak with a representative.

DUPONT™ SAFESPEC™ 2.0



DuPont™ SafeSPEC™ 2.0 is an easy-to-use interactive tool that provides the information you need to make informed decisions about choosing the appropriate protective apparel against chemical hazards. Our databases include hundreds of chemicals, including warfare agents and the ASTM F1001 standard list of challenge chemicals.

SafeSPEC™ 2.0 provides detailed garment descriptions and specifications to help you select the most appropriate garment for your chemical hazards. SafeSPEC™ 2.0 can be easily accessed through our website at www.SafeSPEC.DuPont.com

1. FABRIC

No matter what the brand or trade name, almost all limited use protective apparel products can be classified by 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 high-quality SMS and microporous films and fabrics, DuPont offers a variety of fabrics with different levels of comfort, durability, breathability and protection to meet your specific needs.

Fabric Technologies Typically Used in Chemical Protective Garments (all images at 200X magnification)

INCREASE FABRIC PERFORMANCE

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

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

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.

Spunbonded/Meltblown/Spunbonded (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—limited durability and barrier performance.

Spunbonded Polypropylene (SBPP)—With their highly open structure, SBPP fabrics offer negligible barrier protection.

EXCLUSIVE DUPONT TECHNOLOGIES

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 and **2)** permeation testing—appropriate for liquid and gaseous hazards. Penetration occurs when there is bulk movement of a particle through a pore, hole, gap or defect and is the proper method to evaluate particle barrier. Permeation, on the other hand, occurs when there is movement of the hazardous material through the barrier fabric on a molecular level. It is possible for a hazardous liquid or vapor to permeate a fabric even when there is no observed penetration during testing. 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.

2. SEAM CONSTRUCTION

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



Serged or Sewn*
A seam produced when multiple threads are interlocked around the raw edges of two pieces of material for a strong, stress-resistant seam.



Bound*
Tightly sewn with a reinforced outer binding to increase seam strength and barrier. For potential misting exposure of non-hazardous liquids or particle penetration through the seam.



Taped Thermobond®
Both sewn and taped to provide strong chemical resistance against heavy liquid splashes and tough seam stress. A sewn seam is covered with a strip of compatible material by heat-sealing.



Double Taped Thermobond® Max
Sewn, then taped on the inside and the outside of the seam for a very strong chemical- and stress-resistant seam.

3. GARMENT STYLE

Different jobs require different styles or configurations of protective garments. That's why DuPont offers a wide variety of garment styles—from hoods and vests to aprons, coveralls and fully encapsulated suits. Fully encapsulated suits are available with front or rear entry, with a flat back for airline accommodations or an expanded back for SCBA accommodations.



*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.

4. GARMENT CONSTRUCTION

Our chemical protective garments have a number of components and options.

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

Different situations call for different styles of faceshields. In addition to a 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® TK and Tychem® BR 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. Consult the Tychem® user manual, located on our website, for instructions on proper use, care and maintenance of your Tychem® garments.

5. VISIBILITY

High visibility can be either a help or a hindrance for emergency responders. For example, in hazardous situations, it is critical that emergency responders can be easily seen. In addition, hazardous material emergencies often do not occur in well-lighted environments—thus the need for high visibility is obviously an important feature. The high-visibility colors chosen for DuPont™ Tychem® fabrics were based on extensive visibility research. For example, the human eye is more sensitive to the lime yellow of Tychem® TK and the safety yellow colors of Tychem® BR and Tychem® QC fabrics. On the other hand, there are instances when being visible is as dangerous as the chemical or biological agent that will be encountered. When discretion is preferred—or required—special low-visibility fabrics, such as Tychem® CPF 3 or Tychem® LV are less easy to see and blend into a variety of environments.



What to look for in a chemical protective garment



VALVES

Many DuPont fully encapsulated suits feature extra-low-pressure exhaust valves with covers that provide extra protection against inward leakage and over-inflation. Valve covers allow for easy access to the valve during pressure testing. A testing adapter (sold separately) connects directly to the exhaust valve, allowing suit pressure testing to be performed without entire valve removal. This means testing can be conducted quickly and safely.



EX FACESHIELD

The ultimate option for peripheral vision. Our unique wrap-around design allows a panoramic view with no visual obstructions. Only from DuPont. Wide enough to allow for mask-mounted regulator respirators.

RESPIRATORS

Fully encapsulated suits are available in front or rear entry, with a flat back for airline accommodations or an expanded back for SCBA accommodations. For information about respirators, contact your local distributor.

LOOSE-FITTING SLEEVES

A loose fit allows the wearer to pull their arm into the garment and access the faceshield and SCBA.

ATTACHED GLOVES

Several types of glove systems are available from DuPont, including: a standard ring and clamp system that provides a liquid-tight seal between the garment sleeve/cuff and glove; a field replaceable system; and a dual glove system.



CLOSURE

Vapor- and liquid-splash protective zipper closure is covered by two storm flaps and fastens securely with a hook-and-loop closure.

STORM FLAP

The storm flap covers the zipper closure area for added protection and fastens securely with a hook-and-loop closure.

ATTACHED SOCKS AND OUTER BOOT FLAPS

Attached socks are to be worn inside the user's own chemical-protective boots. The outer boot flaps prevent liquid from pooling inside the boot.

Product part numbers

Our "smart" part numbers are not just a random collection of characters. Each component of the 16-character DuPont part number has meaning. When combined, these components provide a wealth of important product information, as shown here.

BASE CATALOG NUMBER The first six characters provide the basic representation of the product.			ADDITIONAL PRODUCT DETAIL The remaining characters provide additional product detail and complete the full part number.			
TY	120	S	WH	LG	0025	00
Fabric The first two characters are the fabric description. See p. 10 for abbreviations.	Style DuPont offers a wide array of garment styles—from hoods to aprons and coveralls to fully encapsulated suits. Each garment style has a unique three-digit code.	Seam The final character in the base number denotes the seam construction of the garment. See p. 7 for details. See p. 10 for abbreviations.	Color Several DuPont fabrics are available in color options; refer to catalog descriptions for details. See p. 10 for abbreviations.	Size Many DuPont garments are available in a range of sizes; refer to catalog descriptions for details. See p. 10 for abbreviations. See p. 57 for sizing charts.	Case count Provides the number of garments per case; refer to catalog descriptions for details.	Options For example, TV designates Trade Agreement Act compliant. PI designates individually packaged. Not all option codes are available for all products; refer to catalog descriptions for details. See p. 11 for abbreviations.

Product part numbers

PRODUCT PART NUMBER ABBREVIATIONS

To simplify ordering and inventory management at your facility, we developed a simple, logical and intuitive product part numbering system. Using only 16 characters, each part number is comprised of abbreviations that provide all the information you need. For your convenience, here is a guide to these abbreviations.

PART NUMBER GUIDE

TY	120	S	WH	LG	0025	00
fabric	style	seam	color	size	case count	options

see product pages

FABRIC ABBREVIATIONS

DuPont™ Tychem®
QC = Tychem® QC
SL = Tychem® SL
TF = Tychem® F
TP = Tychem® ThermoPro
C3 = Tychem® CPF 3
BR = Tychem® BR
LV = Tychem® LV
RC = Tychem® Responder® CSM
RF = Tychem® Reflector®
TK = Tychem® TK
99 = Accessories

DuPont™ Tyvek®

TY = Tyvek®
FC = Tyvek® FC

DuPont™ ProShield®

NG = ProShield® NexGen®
P1 = ProShield®
P3 = ProShield® 3

Other

TM = Tempro®

SEAM ABBREVIATIONS

S = serged or sewn
B = bound
T = taped or double taped
 see p. 7 for details

COLOR ABBREVIATIONS

BU = blue
DB = denim blue
GY = gray
LB = light blue
LY = lime yellow
OD = olive drab
OR = orange
SV = silver
TN = tan
WH = white
YL = yellow

SIZE 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

OPTION ABBREVIATIONS/CODES

p/t = passthrough
g/r = glove replacement
s/p = special packaging

00 = no options
2K = double storm flap with zipper and hook-and-loop closure
2T = 7S Scott® with Hansen, 8B twist lock glove
2X = (p/t) generic (7H) (right side) and (5C) Viton® gloves
41 = (p/t) Draeger #4052799 Foster (left side)
43 = (p/t) Draeger #4052799 Foster (left side) and (5C) Viton® gloves
4F = (g/r) field replaceable twist lock glove system – Silver Shield®/4H inner/butyl – outer
5C = (g/r) Viton® – outer glove
6G = (p/t) MSA pass-thru dual purpose (Hanson fittings) (left side), Viton® outer glove
6X = (p/t) Scott® #803620-02 Schrader (left side) and Viton® gloves
74 = Best® Hustler™ PVC glove
7C = (p/t) MSA connector #491335 (right side)
7D = (p/t) Draeger #40528005 Hansen (right side)
7E = (p/t) Scott® #803620-01 Hansen (left side)
7F = (p/t) Draeger #40528005 Hansen (left side)
7H = (p/t) generic (right side)
7M = (p/t) MSA dual purpose #495660 Foster fitting (left side)
7N = (p/t) MSA quick fill #80311 (right side) w/ cover
7R = (p/t) MSA dual purpose #495670 Hansen (left front waist)
7S = (p/t) Scott® #803620-01 Hansen (right side)
7T = (p/t) Scott® #803620-02 Schrader (right side)
7W = (p/t) Interspiro #33689006 (right front side)
7Z = (p/t) Survivair® #9802-00 Schrader (right side)
8B = (g/r) 99015 twist lock glove ring assembly installed
8I = (p/t) MSA dual purpose #495660 Foster fitting (left side) and Best® Hustler™ PVC gloves (customer supplied)

8M = (p/t) Scott® #803620-01 Hansen (left side) and Viton® gloves
8T = (p/t) Interspiro #33689006 (right front side) and Viton® gloves
9J = (p/t) Draeger #4056701
9Z = 7M MSA dual Foster (left)/5C Viton® outer glove
BN = Berry Amendment compliant
BG = Berry Amendment compliant with gloves
DD = MSA 801012 VRTX cooling system and twist lock glove
DE = 5C option + NN option
G9 = (p/t) generic (2) (7H) (right side/side by side)
HM = long shroud + attached glove system
HR = short shroud + attached glove system (Ansell outer/Barrier® inner)
JF = CPE sleeve cuff and glove insert for customer installed jam fit glove system
LG = taller than 5" standard shoe
NF = NAFTA sourced
NP = respirator fit hood and storm flap
NN = MSA #495670 (p/t) Hansen on right side
PI = (s/p) individually packaged
S9 = Survivair® #9802-00 Hansen & Viton® outer
SR = skid resistant
TC = Viton® glove, (p/t) 800705
TM = same number of technical manuals as the case count
TV = Trade Agreement Act compliant
WG = Berry Amendment compliant without gloves
YH = (g/r) Viton® outer glove (5C) and 99015 twist lock glove ring assembly installed (8B)
YU = 22" long tapered pattern
Z3 = (p/t) Survivair® #9802-00 Hansen
ZW = (p/t) Scott® #803620-02 Schrader (left side) and 990150 twist lock glove assembly

*Not all sizes available in all styles.

Stock Items versus Make to Order

For the General Protection line of garments (Tyvek®, ProShield®, ProShield® NexGen® and Tempro®), 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® QC, Tychem® SL, Tychem® F, Tychem® BR, Tychem® Responder® CSM and Tychem® TK) are identified as Make to Order. A small grouping is identified as stock items, following the same size guidelines as indicated above.

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

Product 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™ 2.0 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 www.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 GENERAL PROTECTION PRODUCTS

Garment	Typical general industrial hazards/Description/Examples																			
	Non-hazardous								Hazardous											
	Particles			Aerosol	Light liquid splash*				Particles								Aerosol	Flame** resistance		
	General dirt & grime	Animal waste	Sanding & grinding waste	Spray paints	Oil & grease	Lubricants	Fertilizer	Sewage	Fertilizer	Pesticides	Asbestos	Lead	Chromium	Beryllium	Mold	Fiberglass	Carbon	Radioactive particles	Isocyanate	
Tyvek®	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ProShield® NexGen®	○	○	○	●	●	●	●	●												
ProShield®	○	○	○	○	○	○	○	○												
Tempro®	○	○	○	○	○	○														●

● Generally preferred ○ Acceptable for use

*Liquid barrier performance varies based on the amount of liquid on the garment, the length of time the liquid is on the garment, applied pressures and certain physical properties of the liquid. In applications where a higher liquid barrier is needed, consider DuPont™ Tychem™ protective garments.

**Tempro® 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. These garments are intended for limited use and should be disposed of after single use. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

WARNINGS:

- 1) Tyvek®, ProShield® NexGen® and ProShield® garments are not flame-resistant and should not be used around heat, flame, sparks or in potentially flammable or explosive environments.
- 2) Garments made of Tyvek®, ProShield® NexGen®, ProShield® and Tempo® 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™ should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Only Tychem™ ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem™ ThermoPro 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) 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) DuPont™ Tyvek™ 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.

DUPONT™ TYCHEM™ CHEMICAL PROTECTION PRODUCTS

Garment	Typical chemical hazards/Examples								NFPA Ensembles					
	Hazardous dry powders & solids	Bloodborne pathogens & biohazards	Light chemical splash & aerosols	Moderate liquid chemical splash	Potential flash fire exposure & liquid organic chemicals	Heavy liquid chemical splash (toxics & corrosives)	ChemBio & warfare agents	Chemical vapors & gases (toxics & corrosives)						
Brands Exposure	Dry pharma chemicals	Blood, saliva, human excrement	Inorganic acids and bases, salts	Organics, solvents	Meth-amphetamine	Known carcinogens	Sarin, Mustard, VX nerve agent	Chlorine, anhydrous ammonia	1991	1992	1994	2112	70E Cat 2	
Tychem® QC	●	●	●*											
Tychem® SL	●	●	●*											
Tychem® F		●	○	●			●							
Tychem® CPF 3		●	○	●			●				●			
Tychem® BR		○	○	●		○	●				●	●		
Tychem® LV		○	○	●		○	●				●	●		
Tychem® TK		○	○	●		●	●	●	●	●				
Tychem® ThermoPro		○	○	●	●		●				●	●	●	
Tychem® Reflector®		○	○	●		●	●	●	●					
Tychem® Responder® CSM		○	○	●		●	●	●						

● 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.

Permeation data



MID LEVEL



21 Industrial Chemicals ASTM F1001	CAS #	Phys. Phase	Tychem [®] QC*	Tychem [®] SL*	Tychem [®] F	Tychem [®] ThermoPro	Tychem [®] CPF 3
Acetone	67-64-1	L	imm.	imm.	>480	>480	>480
Acetonitrile	75-05-8	L	imm.	68	157	>480	imm.
Ammonia	7664-41-7	G	imm.	32	79	>480	12
1, 3-Butadiene	106-99-0	G	imm.	>480	>480	>480	>480
Carbon disulfide	75-15-0	L	imm.	imm.	>480	>480	16
Chlorine	7782-50-5	G	imm.	>480	>480	>480	>480
Dichloromethane	75-09-2	L	imm.	imm.	imm.	imm.	imm.
Diethylamine	109-89-7	L	imm.	12	>480	>480	>480
N, N-Dimethylformamide	68-12-2	L	imm.	78	>480	>480	>480
Ethyl acetate	141-78-6	L	imm.	imm.	>480	>480	>480
Ethylene oxide	75-21-8	G	imm.	imm.	65	>480	>480
n-Hexane	110-54-3	L	imm.	imm.	>480	>480	>480
Hydrogen chloride	7647-01-0	G	imm.	>480	>480	>480	>480
Methanol	67-56-1	L	imm.	>480	77	>480	imm.
Methyl chloride	74-87-3	G	imm.	>480	>480	>480	>480
Nitrobenzene	98-95-3	L	imm.	102	>480	>480	>480
Sodium hydroxide, 50%	1310-73-2	L	>480	>480	>480	>480	>480
Sulfuric acid, 98%	7664-93-9	L	>480	>480	>480	>480	>480
1, 1, 2, 2-Tetrachloroethylene	127-18-4	L	imm.	imm.	>480	>480	>480
Tetrahydrofuran	109-99-9	L	imm.	imm.	464	>480	>480
Toluene	108-88-3	L	imm.	imm.	>480	>480	>480
Chemical Warfare Agents*							
Lewisite (L)	541-25-3	L	nt	>360 ¹	360 ²	360 ²	120 ¹
Mustard (HD)	505-60-2	L	nt	180 ¹	>720 ²	>720 ²	120 ¹
Tabun (GA)	77-81-6	L	nt	nt	>720 ⁴	>720 ⁴	nt
Sarin (GB)	107-44-8	L	nt	>360 ³	>720 ⁴	>720 ⁴	120 ³
Soman (GD)	99-64-0	L	nt	nt	>720 ⁴	>720 ⁴	>480 ³
VX Nerve Agent	50782-69-9	L	nt	>480 ³	>720 ⁴	>720 ⁴	>480 ³

HIGH LEVEL



21 Industrial Chemicals ASTM F1001	CAS #	Phys. Phase	Tychem [®] BR/LV	Tychem [®] TK	Tychem [®] Responder [®] CSM	Tychem [®] Reflector [®]
Acetone	67-64-1	L	>480	>480	>480	>480
Acetonitrile	75-05-8	L	>480	>480	>480	>480
Ammonia	7664-41-7	G	46	>480	>480	>480
1, 3-Butadiene	106-99-0	G	>480	>480	>480	>480
Carbon disulfide	75-15-0	L	>480	>480	>480	>480
Chlorine	7782-50-5	G	>480	>480	>480	>480
Dichloromethane	75-09-2	L	432	>480	>480	>480
Diethylamine	109-89-7	L	>480	>480	>480	>480
N, N-Dimethylformamide	68-12-2	L	>480	>480	>480	>480
Ethyl acetate	141-78-6	L	>480	>480	>480	>480
Ethylene oxide	75-21-8	G	>480	>480	>480	>480
n-Hexane	110-54-3	L	>480	>480	>480	>480
Hydrogen chloride	7647-01-0	G	>480	>480	>480	>480
Methanol	67-56-1	L	157	>480	>480	>480
Methyl chloride	74-87-3	G	>480	>480	>480	>480
Nitrobenzene	98-95-3	L	>480	>480	>480	>480
Sodium hydroxide, 50%	1310-73-2	L	>480	>480	>480	>480
Sulfuric acid, 98%	7664-93-9	L	>480	>480	>480	>480
1, 1, 2, 2-Tetrachloroethylene	127-18-4	L	>480	>480	>480	>480
Tetrahydrofuran	109-99-9	L	>480	>480	>480	>480
Toluene	108-88-3	L	>480	>480	>480	>480
Chemical Warfare Agents*						
Lewisite (L)	541-25-3	L	>720 ¹	>720 ²	>720 ¹	>720 ¹
Mustard (HD)	505-60-2	L	>720 ²	>720 ²	>720 ²	>720 ²
Tabun (GA)	77-81-6	L	>720 ³	>720 ⁴	>720 ³	>720 ³
Sarin (GB)	107-44-8	L	>720 ⁴	>720 ⁴	>720 ⁴	>720 ⁴
Soman (GD)	99-64-0	L	>720 ³	>720 ⁴	>720 ³	>720 ³
VX Nerve Agent	50782-69-9	L	>720 ⁴	>720 ⁴	>720 ⁴	>720 ⁴

Index of codes:

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

*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.

Normalized Breakthrough Time (NBT) shown in minutes.

¹Actual Breakthrough Time in minutes; standardized breakthrough time not available.

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

All DuPont testing is performed by a third party.

Permeation testing on industrial 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.

Chemical warfare agents are tested according to the following protocols:

¹Protocol DN3-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours at 10 g/m².

²Protocol DN4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours at 100 g/m² (total coverage).

³Protocol DN5-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 12 hours at 10 g/m².

⁴Protocol DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD and VX, for 12 hours at 100 g/m² (total coverage).

All tests are performed at 22°C and 50% R.H. Actual Breakthrough Times, in minutes, are reported.



WHEN WORKER SAFETY COMES FIRST, there's only one name you need to know for superior industrial protection—DuPont. That's because our scientists and technicians have created and extensively tested the superior materials that help protect against chemicals, dry particles, lead, asbestos, mold and hazardous aerosols. And we listened to what you want, creating garments that offer improved mobility and increased comfort.



Garments and materials that work in your industry. Whether you're in the chemical, agricultural, food processing, manufacturing or maintenance business, there's an industry-leading DuPont material suited to the job you need to get done.



DuPont® Tyvek® is the material created by DuPont scientists and engineers with built-in protection that can't be abraded or worn away. And now Tyvek® garments deliver our unique comfort fit design. That means workers have a greater range of movement, improved mobility, a more tailored fit and better overall comfort.



DuPont® Tychem® QC is the garment you need for more than dry particulate protection. Tychem® QC helps protect against light liquid splash and occasional contact with pesticides, inorganic acids, alkalis and acids. And with the strength of Tyvek®, this is one of the more comfortable protective garments available.



DuPont® Tychem® CPF 3 is ideal when the potential exists for exposure to a broad range of chemicals—including chemical warfare agents. Strong and durable, garments of Tychem® CPF 3 can be used for rigorous activities and rugged situations involving moderate chemical splash.

BE DUPONT READY.



P1 120 S

coverall

P1 120 S DB xx 0025 00
P1 120 S WH xx 0025 00
 serged seams
 collar
 front zipper closure
 elastic waist
 available in blue or white
 SM-7X



coverall

P1 125 S DB xx 0025 00
P1 125 S WH xx 0025 00
 serged seams
 laydown collar
 front zipper closure
 elastic waist
 elastic wrists
 elastic ankles
 available in blue or white
 SM-7X



coverall

P1 127 S DB xx 0025 00
P1 127 S WH xx 0025 00
 serged seams
 attached hood (respirator fit)¹
 front zipper closure
 elastic waist
 elastic wrists
 elastic ankles
 available in blue or white
 SM-7X



labcoat

P1 212 S DB xx 0030 00
 serged seams
 collar
 front snap closure
 two pockets
 available in blue only
 SM-7X



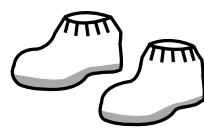
frock

P1 271 S DB xx 0030 00
P1 271 S WH xx 0030 00
 serged seams
 mandarin collar
 front zipper closure
 elastic wrists
 MD-4X



shoe cover

P3 450 S GY xx 0200 00
 serged seams
 elastic opening
 5" height
 ProShield® 3 fabric
 skid-resistant
 one size fits all



shoe cover

P3 450 S GY xx 0200 LG
 serged seams
 elastic opening
 8.25" height
 ProShield® 3 fabric
 skid-resistant
 one size fits all



boot cover

P3 454 S GY xx 0100 00
 serged seams
 elastic opening
 18" height
 ProShield® 3 fabric
 skid-resistant
 one size fits all



coverall

NG 120 S WH xx 0025 00
 serged seams
 front zipper closure
 collar
 SM-6X



coverall

NG 125 S WH xx 0025 00
 serged seams
 collar
 front zipper closure
 elastic wrists
 elastic ankles
 SM-5X



coverall

NG 127 S WH xx 0025 NP
 serged seams
 attached hood (respirator fit)¹
 front zipper closure
 storm flap
 elastic wrists
 elastic ankles
 SM-7X



coverall

NG 122 S WH xx 0025 00
 serged seams
 attached hood
 front zipper closure
 elastic wrists
 elastic ankles
 attached skid-resistant booties
 SM-6X



NG 127 S

apron

NG 273 B WH xx 0100 00
 bound seams
 bound neck and ties
 bib style
 28" x 36"
 one size fits all



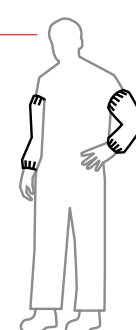
labcoat

NG 212 S WH xx 0030 00
 serged seams
 collar
 front snap closure
 two pockets
 SM-4X



sleeve

NG 500 S WH xx 0100 YU 22" long
NG 500 S WH xx 0200 00 18" long
 serged seams
 elastic top
 elastic wrist
 one size fits all



shoe cover

NG 451 S WH xx 0200 00
 serged seams
 elastic opening
 5" height
 ProShield® NexGen® fabric shaft
 PVC sole
 SM-XL

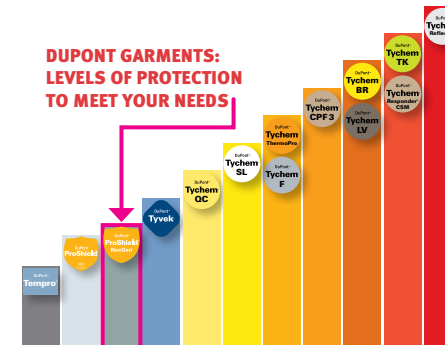


boot cover

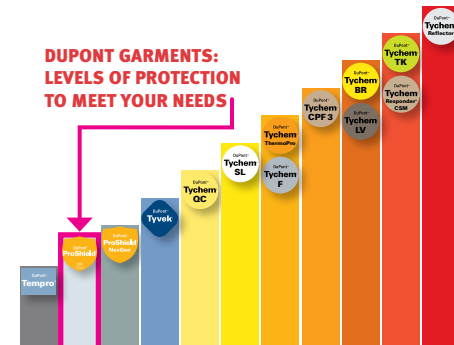
NG 456 S WH xx 0100 00
 serged seams
 elastic opening
 elastic ankle
 18" height
 ProShield® shaft
 NexGen® fabric
 PVC sole
 SM-XL



**DUPONT GARMENTS:
 LEVELS OF PROTECTION
 TO MEET YOUR NEEDS**



**DUPONT GARMENTS:
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PROSHIELD® NEXGEN®

- 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® NexGen® is white
- *PI* = individually packaged

¹Respirator 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 p. 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® and ProShield® NexGen® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Garments made of ProShield® and ProShield® NexGen® 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.



TY 120 S

TYVEK®

- 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; stops particles down to one micron
- One garment for many applications:
 - general maintenance/operations
 - microcrystalline silica
 - lead abatement
 - environmental cleanup
 - asbestos abatement
 - agriculture
 - food processing
 - mold remediation
 - spray painting
- Tyvek® is white
- **PI** = individually packaged

TYVEK® FC

- Skid-resistant materials for shoe/boot covers to prevent slipping
- Tyvek® with friction coating
- Tyvek® FC is gray

coverall

TY 120 S WH xx 0025 00
TY 120 S WH xx 0025 PI
TY 120 S WH xx 0025 NF
 serged seams
 collar
 front zipper closure
 elastic waist
 comfort fit design
 SM-7X



coverall

TY 121 S WH xx 0025 NS
 serged seams
 collar
 front zipper closure
 elastic wrists
 elastic ankles
 attached skid-resistant boots
 SM-7X



coverall

TY 122 S WH xx 0025 00
TY 122 S WH xx 0025 NF
 serged seams
 attached hood (respirator fit)
 front zipper closure
 elastic wrists
 elastic ankles
 elastic waist
 attached skid-resistant boots
 comfort fit design
 SM-7X



coverall

TY 125 S WH xx 0025 00
TY 125 S WH xx 0025 PI
 serged seams
 collar
 front zipper closure
 elastic wrists
 elastic ankles
 elastic waist
 comfort fit design
 SM-7X



coverall

TY 127 S WH xx 0025 00 SM-7X
TY 127 S WH xx 0025 PI SM-4X
TY 127 S WH xx 0025 NF SM-7X
 serged seams
 attached hood (respirator fit)
 front zipper closure
 elastic wrists
 elastic ankles
 elastic waist
 comfort fit design
 SM-7X



TY 127 S

coverall

TY 152 S WH xx 0025 00 white
TY 152 S OR xx 0025 00 orange
 serged seams
 collar
 front zipper closure
 two pockets
 elastic waist
 available in white or orange
 SM-7X



frock

TY 210 S WH xx 0030 00
TY 210 S WH xx 0030 PI
 serged seams
 collar
 front snap closure
 SM-7X



frock

TY 211 S WH xx 0030 00
 serged seams
 collar
 front snap closure
 elastic wrists
 knee length
 SM-7X



shirt

TY 303 S WH xx 0050 00 SM-7X
TY 303 S WH xx 0050 PI SM-3X
 serged seams
 collar
 front snap closure
 long sleeve
 SM-7X



sleeve

TY 500 S WH xx 0200 00
TY 500 S WH xx 0200 NF
 serged seams
 elastic top
 elastic wrist
 18" length
 one size fits all



shoe cover

FC 450 S GY xx 0200 00
FC 450 S GY xx 0200 NF
 serged seams
 elastic opening
 elastic toe, sole and heel seam
 5" height
 Tyvek® FC fabric
 skid-resistant
 one size fits all



boot cover

TY 454 S WH xx 0100 SR
 serged seams
 elastic opening
 elastic ankle
 18" height
 Tyvek® FC sole
 skid-resistant
 LG-XL



frock

TY 216 S WH xx 0030 00
 serged seams
 mandarin collar
 front snap closure
 elastic wrists
 SM-5X



pants

TY 350 S WH xx 0050 00 SM-7X
TY 350 S WH xx 0050 PI SM-3X
 serged seams
 elastic waist
 SM-7X



hood

TY 657 S WH xx 0100 00
 serged seams
 pullover
 elastic face
 shoulder length
 one size fits all



labcoat

TY 212 S WH xx 0030 00
TY 212 S WH xx 0030 PI
TY 212 S WH xx 0030 NF
 serged seams
 collar
 front snap closure
 two pockets
 SM-7X



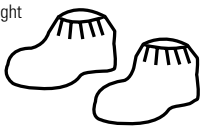
apron

TY 273 B WH xx 0100 00
 bound seams
 bound neck & ties
 bib style
 28" x 36"
 one size fits all

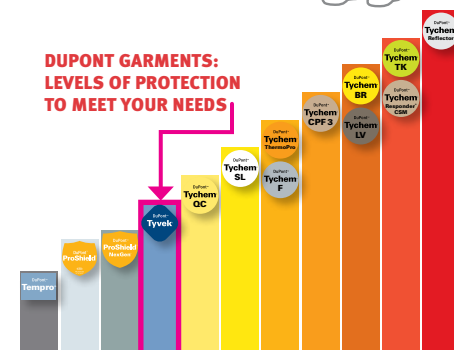


shoe cover

TY 450 S WH xx 0200 00 5" height
TY 450 S WH xx 0200 LG 8.25" height
 serged seams
 elastic opening
 Tyvek® fabric
 one size fits all



**DUPONT GARMENTS:
 LEVELS OF PROTECTION
 TO MEET YOUR NEEDS**



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 p. 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.

This fabric (Tyvek® with orange printed color or Tyvek® 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.

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.



SL 125 T



SL 120 T

TYCHEM® SL

- Effective protection against a range of chemicals
- Uses include waste management, hazardous response and nuclear environments
- Tychem® SL is Saranex™ 23-P film laminated to Tyvek® fabric
- Rugged and durable, even in environments where abrasion is an issue
- Tychem® SL is white for high visibility
- Tychem® SL provides at least 30 minutes of protection against 124 chemical challenges
- *PI* = individually packaged

coverall

SL 120 B WH xx 0012 00 SM-6X
SL 120 T WH xx 0004 00 SM-5X
 bound or taped seams
 collar
 front zipper closure
 storm flap with tape closure



coverall

SL 122 B WH xx 0012 00 SM-7X
SL 122 T WH xx 0006 00 SM-6X
 bound or taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks¹



coverall

SL 127 B WH xx 0012 00
SL 127 T WH xx 0006 00
 bound or taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 elastic ankles
 SM-7X



coverall

SL 128 T WH xx 0006 00
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks
 outer boot flaps
 SM-5X



coverall

SL 125 B WH xx 0012 00 SM-6X
SL 125 B WH xx 0012 PI SM-6X
SL 125 T WH xx 0006 00 SM-5X
 bound or taped seams
 collar
 front zipper closure
 storm flap with tape closure
 elastic wrists
 elastic ankles



apron

SL 274 B WH xx 0050 00
 bound neck & ties
 bib style
 36" long
 one size fits all



apron

SL 275 T WH xx 0025 00
 taped seams
 bound snap neck
 attached long sleeves
 waist ties
 elastic wrists
 44" long
 SM-4X



apron

SL 278 B WH xx 0012 00
 bound seams
 bound snap neck
 attached long sleeves
 waist ties
 elastic wrists
 52" long
 one size fits all



coverall

SL 121 B WH xx 0012 00 SM-6X
SL 121 T WH xx 0004 00 SM-5X
 bound or taped seams
 collar
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks
 SM-6X

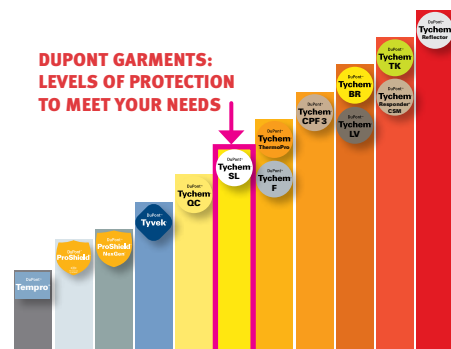


sleeve

SL 500 B WH xx 0200 00 18" long
SL 500 B WH xx 0200 YU 22" long
 bound seam
 elastic top
 elastic wrist
 one size fits all



**DUPONT GARMENTS:
 LEVELS OF PROTECTION
 TO MEET YOUR NEEDS**



Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide 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.

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 p. 7 for photos.

Storm Flaps: All standard bound and taped seam coveralls have a single storm flap with a pressure-sensitive tape closure.

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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.



TF 145 T



TF 169 T

coverall

- TF 145 T GY xx 0006 00
- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- elastic wrists
- elastic ankles
- SM-5X



coverall

- TF 169 T GY xx 0006 00
- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- elastic wrists
- attached socks¹
- SM-5X



coverall

- TP 198 T OR xx 0002 00
- TP 198 T GY xx 0002 00
- taped seams
- attached hood with drawstring (respirator fit)²
- front zipper closure
- double storm flaps with hook-and-loop closure
- elastic wrists
- hemmed ankles
- SM-5X



coverall

- TP 199 T OR xx 0002 00
- TP 199 T GY xx 0002 00
- taped seams
- attached hood with drawstring (respirator fit)²
- front zipper closure
- double storm flaps with hook-and-loop closure
- elastic wrists
- attached socks¹
- outer boot flaps
- SM-5X



TP 198 T GY



TP 199T OR

TYCHEM® THERMOPRO

- 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® ThermoPro garments meet the requirements of NFPA 1992 *Standard on Liquid-Splash Protective Ensembles and Clothing for Hazardous Materials Emergencies* (2005 Edition) and NFPA 2112, *Standard on Flame Resistant Garments for Protection of Industrial Personnel against Flash Fire* (2007 Edition).
- Tychem® ThermoPro exceeds the Hazard Risk Category 2 requirement of 8 cal/cm² outlined in NFPA 70E, *Standard for Electrical Safety in the Workplace* (2009 Edition)
- Tychem® ThermoPro provides at least 30 minutes of protection against 182 chemical challenges
- Tychem® ThermoPro is available in orange for high visibility and gray for discretionary purposes

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.

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 p. 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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® F

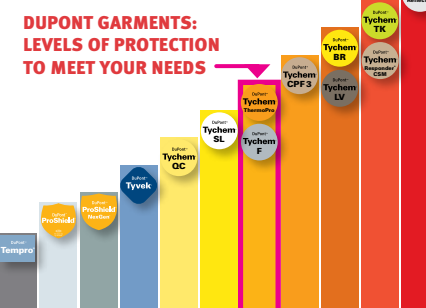
- Widely used by military personnel and first responders for chemical warfare situations
- Strong and durable garments with broad chemical barrier
- When potential exposure to industrial chemicals and chemical warfare agents exists
- Successfully tested by Soldier and Biological Chemical Command (SBCCOM) in Aberdeen, MD
- Tychem® F is a barrier film laminated to Tyvek®
- Tychem® F provides at least 30 minutes of protection against 181 chemical challenges
- Tychem® F is gray for discretionary purposes

Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide 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.



TP 198 T





C3 127 T



C3 528 T

TYCHEM® CPF 3

- Strong and durable garments with broad chemical barrier
- Tychem® CPF 3 is a multi-layer barrier film laminated to a durable 2.0 oz/yd² polypropylene fabric
- Tychem® CPF 3 provides at least 30 minutes of protection against 149 chemical challenges
- For rigorous activities and rugged situations involving liquid splash
- Tychem® CPF 3 is tan for discretionary purposes
- Tychem® CPF 3 198 T/199 T are certified to NFPA 1992, 2005 Edition

TYCHEM® CPF 3 HD

- Tychem® CPF 3 HD garments are intended for use by law enforcement, HazMat and hospital personnel
- Offered in respirator fit hood and collar style for use with a PAPR; ideal for hospital first receiver applications
- Tychem® CPF 3 HD garments include integrated gloves and improved closures to reduce response time, deliver a high level of dexterity and tactility, and improve protection

coverall

C3 125 T TN xx 0006 00
 taped seams
 collar
 front zipper closure
 storm flap with tape closure
 elastic wrists
 elastic ankles
 SM-5X



coverall

C3 127 T TN xx 0006 00
 taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 elastic ankles
 SM-7X



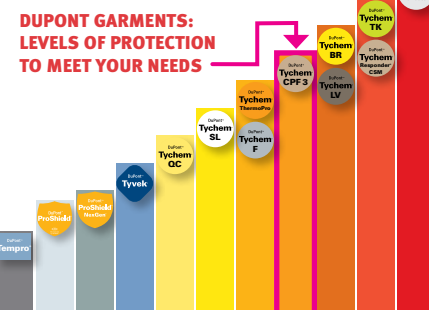
coverall

C3 122 T TN xx 0006 00
 taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks*
 SM-5X



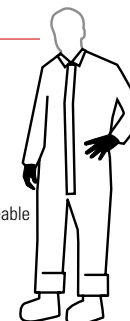
coverall

C3 128 T TN xx 0006 00
C3 128 T TN xx 0006 2K
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks*
 outer boot flaps
 SM-5X



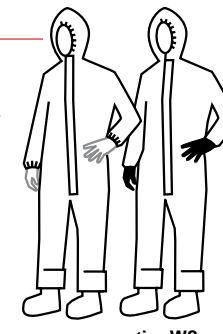
coverall HD design

C3 184 T TN xx 0006 00
C3 184 T TN xx 0006 TM
 taped seams
 collar
 front zipper closure
 double storm flaps
 with hook-and-loop closure
 attached jam fit removable/field replaceable neoprene outer/Barrier® inner gloves
 attached socks*
 outer boot flaps
 SM-4X



coverall HD

C3 199 T TN xx 0006 00
 elastic wrists
C3 199 T TN xx 0006 WG
 attached Guardian™ butyl outer/Barrier® inner gloves
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap
 with hook-and-loop closure
 attached socks*
 outer boot flaps
 SM-5X



option WG

encapsulated Level B

C3 528 T TN xx 0006 00
 taped seams
 standard faceshield (20 mil PVC)
 rear entry
 zipper closure
 double storm flaps
 with hook-and-loop closure
 one exhaust vent
 expanded back
 elastic wrists
 attached socks*
 outer boot flaps
 SM-4X



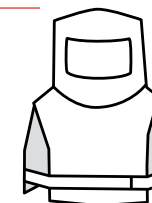
bib overall

C3 360 T TN xx 0006 00
 taped seams
 adjustable webbing straps
 with closure
 SM-4X



hood

C3 651 T TN xx 0006 00
 taped seams
 EX (extra wide) faceshield (20 mil PVC)
 pullover
 hook-and-loop waist closure
 one size fits all



coverall HD design

C3 185 T TN xx 0006 00
C3 185 T TN xx 0001 HM
C3 185 T TN xx 0001 HR
C3 185 T TN xx 0006 TM
 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/Barrier® inner gloves
 attached socks*
 outer boot flaps
 SM-4X



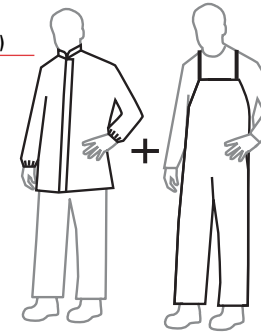
encapsulated Level B

C3 526 T TN xx 0006 00
 taped seams
 standard faceshield (20 mil PVC)
 rear entry
 zipper closure
 double storm flaps
 with hook-and-loop closure
 one exhaust vent
 flat back (airline access)
 elastic wrists
 attached socks*
 outer boot flaps
 SM-4X



combo suit

(jacket and bib overall)
C3 750 T TN xx 0006 00
 JACKET
 taped seams
 mandarin collar
 elastic wrists
 front zipper closure
 storm flap
 BIB OVERALL
 taped seams
 adjustable webbing straps with closure
 SM-4X



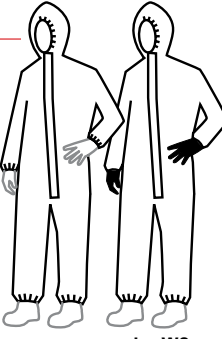
apron

C3 275 T TN xx 0006 00
 taped seams
 bound snap neck
 attached long sleeves
 waist ties
 elastic wrists
 44" long
 SM-4X



coverall HD

C3 198 T TN xx 0006 00
 elastic wrists
C3 198 T TN xx 0006 WG
 attached Guardian™ butyl outer/Barrier® inner gloves
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap
 with hook-and-loop closure
 elastic ankles
 SM-5X



option WG

encapsulated Level B

C3 527 T TN xx 0006 00
 taped seams
 standard faceshield (20 mil PVC)
 front entry
 zipper closure
 double storm flaps
 with hook-and-loop closure
 one exhaust vent
 expanded back
 elastic wrists
 attached socks*
 outer boot flaps
 SM-4X



jacket

C3 670 T TN xx 0006 00 SM-4X
C3 670 T TN xx 0006 JF SM-4X
C3 670 T TN xx 0006 W4 MD-4X
 taped seams
 mandarin collar
 front zipper closure
 double storm flaps
 with hook-and-loop closure
 elastic wrists



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.

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 p. 7 for photos.

Storm Flaps: All standard bound and 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.



BR 127 T



LV 527 T

**TYCHEM® BR
TYCHEM® LV**

- 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
- Extensive permeation data by independent lab on more than 285 chemical threats on Tychem® BR and Tychem® LV—see the Tychem® Permeation Guide
- Tychem® BR and Tychem® LV provide at least 30 minutes of protection against 282 chemical challenges
- Tychem® BR 611 T and Tychem® LV 611 T are certified to NFPA 1994 Class 2 and NFPA 1992
- Tychem® BR is yellow for high visibility; Tychem® LV is olive drab for discretionary purposes

coverall

BR 611 T YL xx 0001 00
LV 611 T OD xx 0001 00
taped seams
SCBA face piece interface hood
rear zipper closure
triple storm flap with hook-and-loop closure
attached jam fit removable/
field replaceable neoprene outer/
Barrier® inner gloves
attached socks¹
outer boot flaps
SM-4X



encapsulated Level B

BR 528 T YL xx 0001 00¹
taped seams
rear entry
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



encapsulated Level B

LV 526 T OD xx 0001 00
taped seams
standard faceshield (20 mil PVC)
rear entry
zipper closure
double storm flaps
with hook-and-loop closure
two exhaust vents
flat back (airline access)
elastic wrists
attached socks¹
outer boot flaps
MD-3X



coverall

BR 125 T YL xx 0002 00
LV 125 T OD xx 0002 00
taped seams
collar
front zipper closure
storm flap with tape closure
elastic wrists
elastic ankles
SM-5X



encapsulated Level A

BR 557 T YL xx 0001 7R
taped seams
rear entry
EX (extra wide) faceshield
(PVC 40 mil / Teflon® 5 mil / PVC 20 mil)
gas-tight PVC zipper closure
double storm flaps
with hook-and-loop closure
two exhaust valves
flat back
internal adjustment belt
attached internal Barrier® gloves
attached butyl gloves
attached socks¹
outer boot flaps
SM-4X



coverall

BR 127 T YL xx 0002 00 SM-6X
LV 127 T OD xx 0002 00 SM-5X
LV 127 T OD xx 0002 2K SM-5X
taped seams
attached hood
front zipper closure
storm flap with tape closure
elastic wrists
elastic ankles



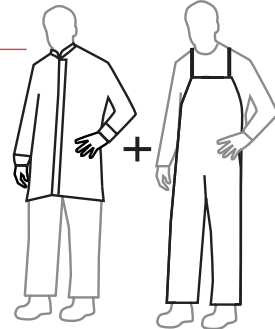
coverall

BR 128 T YL xx 0002 00 SM-7X
LV 128 T OD xx 0002 00 SM-5X
taped seams
attached hood (respirator fit)²
front zipper closure
storm flap with tape closure
elastic wrists
attached socks¹
outer boot flaps



**combo suit
(jacket and bib overall)**

LV 753 T OD xx 0006 00
JACKET
taped seams
mandarin collar
conical cuff
front zipper closure
storm flap
BIB OVERALL
taped seams
adjustable webbing
straps with closure
SM-4X



jacket

LV 670 T OD xx 0006 00
taped seams
mandarin collar
front zipper closure
double storm flap
with hook-and-loop closure
conical cuff
SM-4X



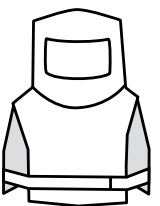
bib overall

LV 360 T OD xx 0006 00
taped seams
adjustable webbing straps with closure
SM-4X



hood

BR 651 T YL xx 0002 00
LV 651 T OD xx 0002 00
taped seams
standard faceshield (20 mil PVC)
pullover
hook-and-loop waist closure
one size fits all



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.

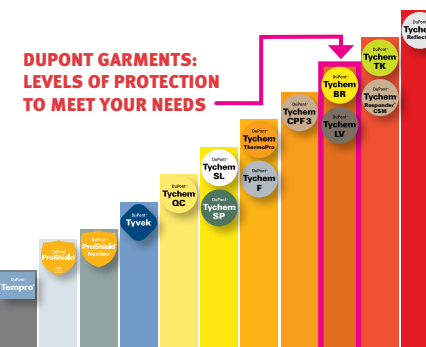
²Respirator fit hoods are designed with a longer zipper, extending to the chin for complete coverage of the neck area. Standard hoods only extend to the neck. See p. 7 for photos.

Storm Flaps: All standard bound and taped seam coveralls have a single storm flap with a pressure-sensitive tape closure. Option 2K garments have a hook-and-loop storm flap 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.



For our line of fully encapsulated training suits, please see our accessories section on p. 34-35.

Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide 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.



TK 555 T



TK 527 T

TYCHEM® TK

- Premium protection against toxic and corrosive gaseous, liquid and solid chemicals—see the Tychem® Permeation Guide
- Leading garment chosen by HazMat responders worldwide
- Extremely durable, puncture- and tear-resistant fabrics
- Wide range of garment styles available, including totally encapsulated, vapor protective Level A and liquid-splash protective Level B suits
- Tychem® TK provides at least 30 minutes of protection against 322 chemical challenges
- Tychem® TK is high-visibility lime yellow

Please see accessories section on p. 34-35 for additional items.



universal pressure test kit



decon shower



Cool-Guard® vest

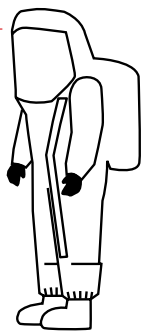
For our line of fully encapsulated training suits, please see our accessories section on p. 34-35.

Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide 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.

HazMat encapsulated Level A

TK 554 T LY xx 0001 00 SM-4X
 TK 554 T LY xx 0001 2X call for sizing
 TK 554 T LY xx 0001 5C SM-4X
 TK 554 T LY xx 0001 43 call for sizing
 TK 554 T LY xx 0001 74 call for sizing
 TK 554 T LY xx 0001 7M call for sizing
 TK 554 T LY xx 0001 7N call for sizing
 TK 554 T LY xx 0001 7S call for sizing
 TK 554 T LY xx 0001 7W call for sizing
 TK 554 T LY xx 0001 7Y call for sizing
 TK 554 T LY xx 0001 7Z call for sizing
 TK 554 T LY xx 0001 8B call for sizing
 TK 554 T LY xx 0001 8M call for sizing
 TK 554 T LY xx 0001 9Z call for sizing
 TK 554 T LY xx 0001 S9 call for sizing
 TK 554 T LY xx 0001 TV SM-4X
 TK 554 T LY xx 0001 YH call for sizing
 TK 554 T LY xx 0001 Z3 call for sizing
 TK 554 T LY xx 0001 ZW call for sizing
 double taped seams
 front entry
 EX (extra wide) 3-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 Auer® exhaust valves
 expanded back
 internal adjustment belt
 attached internal Barrier® gloves
 attached outer butyl or Viton® gloves
 knee wear pads
 attached socks¹
 outer boot flaps with elastic



HazMat encapsulated Level A

TK 555 T LY xx 0001 00 SM-4X
 TK 555 T LY xx 0001 2T call for sizing
 TK 555 T LY xx 0001 2X call for sizing
 TK 555 T LY xx 0001 5C SM-4X
 TK 555 T LY xx 0001 6G call for sizing
 TK 555 T LY xx 0001 6X call for sizing
 TK 555 T LY xx 0001 7E call for sizing
 TK 555 T LY xx 0001 7F call for sizing
 TK 555 T LY xx 0001 7M call for sizing
 TK 555 T LY xx 0001 7R call for sizing
 TK 555 T LY xx 0001 7S call for sizing
 TK 555 T LY xx 0001 7T call for sizing
 TK 555 T LY xx 0001 7W call for sizing
 TK 555 T LY xx 0001 7Z call for sizing
 TK 555 T LY xx 0001 8B call for sizing
 TK 555 T LY xx 0001 8M call for sizing
 TK 555 T LY xx 0001 8T call for sizing
 TK 555 T LY xx 0001 9J call for sizing
 TK 555 T LY xx 0001 DE call for sizing
 TK 555 T LY xx 0001 NN call for sizing
 TK 555 T LY xx 0001 TV SM-4X
 TK 555 T LY xx 0001 YH call for sizing
 TK 555 T LY xx 0001 ZW call for sizing
 double taped seams
 rear entry
 EX (extra wide) 3-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 Auer® exhaust valves
 expanded back
 internal adjustment belt
 attached internal Barrier® gloves
 attached outer butyl or Viton® gloves
 knee wear pads
 attached socks¹
 outer boot flaps with elastic



HazMat encapsulated Level A

TK 557 T LY xx 0001 2T
 TK 557 T LY xx 0001 7H
 TK 557 T LY xx 0001 7S
 double taped seams
 rear entry
 EX (extra wide) 3-layer faceshield
 (PVC 40 mil / Teflon® 5 mil / PVC 20 mil)
 gas-tight zipper closure
 double storm flaps
 two Auer® exhaust valves
 internal adjustable belt
 flat back
 attached internal Barrier® gloves
 attached outer butyl gloves
 knee wear pads
 attached boots
 outer boot flaps with elastic
 SM-4X



coverall

TK 127 T LY xx 0002 00
 taped seams
 attached hood
 front zipper closure
 double storm flaps with tape closure
 elastic wrists
 elastic ankles
 SM-5X



HazMat encapsulated Level A

TK 552 T LY xx 0001 2X
 TK 552 T LY xx 0001 41
 TK 552 T LY xx 0001 7D
 TK 552 T LY xx 0001 7H
 TK 552 T LY xx 0001 7M
 TK 552 T LY xx 0001 7R
 TK 552 T LY xx 0001 7S
 TK 552 T LY xx 0001 7T
 TK 552 T LY xx 0001 7W
 TK 552 T LY xx 0001 DD
 TK 552 T LY xx 0001 G9
 TK 552 T LY xx 0001 TC
 double taped seams
 front entry
 standard 3-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 Auer® exhaust valves
 internal adjustable belt
 flat back
 attached Guardian® butyl outer/
 Barrier® internal gloves
 attached socks¹
 outer boot flaps with elastic
 SM-4X



coverall

TK 128 T LY xx 0002 00
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 double storm flaps with tape closure
 elastic wrists
 attached socks¹
 outer boot flaps
 SM-6X



encapsulated Level B

TK 527 T LY xx 0001 00
 taped seams
 front entry
 standard faceshield (40 mil PVC)
 zipper closure
 double storm flaps
 with hook-and-loop closure
 two exhaust vents
 expanded back
 elastic wrists
 attached socks¹
 outer boot flaps
 SM-4X



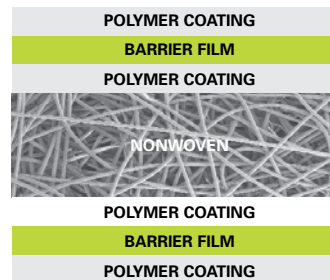
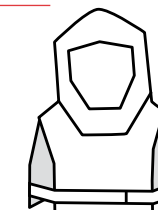
encapsulated Level B

TK 528 T LY xx 0001 00
 taped seams
 rear entry
 standard faceshield (40 mil PVC)
 zipper closure
 double storm flaps
 with hook-and-loop closure
 two exhaust vents
 expanded back
 elastic wrists
 attached socks¹
 outer boot flaps
 SM-4X



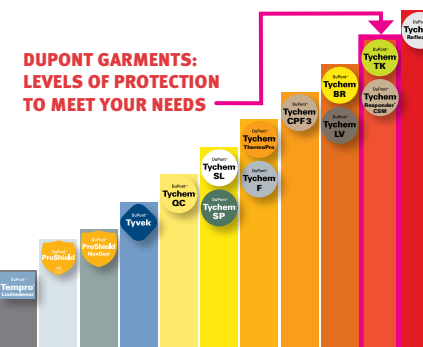
hood

TK 651 T LY xx 0002 00
 taped seams
 standard faceshield (20 mil PVC)
 pullover
 hook-and-loop waist closure
 one size fits all



Illustrated cross-section of Tychem® TK

The material composition of Tychem® TK chemical barrier fabric is unique, consisting of a high-strength, highly tear-resistant, 100% nonwoven fabric sandwiched between proprietary non-halogenated films and polymer coatings.



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.

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 p. 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.

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air relief valve

99 937 0 00 00 0001 00
Pirelli® exhaust valve



air relief valve

99 026 0 00 00 0001 00
Auer® exhaust valve



exhaust diaphragm

99 122 0 00 00 0001 00 1/cs
99 122 0 00 00 0002 00 2/cs
99 122 0 00 00 0003 00 3/cs
Pirelli®



exhaust diaphragm

99 118 0 00 00 0001 00 1/cs
99 118 0 00 00 0002 00 2/cs
99 118 0 00 00 0004 00 4/cs
Auer®



glove ring assembly

99 015 0 00 00 0002 00
option BB
Level A/B
detachable
twist-lock assembly



glove ring assembly

99 016 0 00 00 0001 00
Level A/B
half of twist-lock assembly



glove ring assembly

99 014 0 00 00 0001 00
Level B
butyl o-rings
PVC glove rings



glove ring assembly

99 961 0 00 00 0002 00
male glove insert



Additional components available,
please contact Customer Service.

For a complete list of passthrough
option codes, please see p. 11.
For more detailed information
regarding passthroughs, please call
Customer Service at 1-800-931-3456.

decon shower

TK 490 T 00 00 0001 00
basin and shower head
(without curtain)
TK 491 T 00 00 0001 00
curtain and piping

easy assembly
adjustable shower wand
catch basin

Ideal solution for decon
procedures during any
HazMat crisis.



universal pressure test kit

99 081 0 00 00 0001 00 kit
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.



adapters for test kits

99 116 0 00 00 0001 00 Auer®
99 939 0 00 00 0001 00 Pirelli®
Two adapters for DuPont kit to test
Tychem® Responder® suits.



Cool-Guard® vest

99 600 0 BU 00 0001 00
Personal cooling product that works
to reduce body heat.

99 603 0 00 00 0001 00
Spare set (4) Cool-Guard® Refills



anti-fog/anti-static cleaner

99 965 0 00 00 0001 00 2 oz.
For use with DuPont™ Tychem™ protective
garment faceshields, welding lenses,
safety plates and eyeglasses.



Training suits offer an economical and effective option for HazMat training.

Tychem® TK fully encapsulated training suit

TK 586 S LY xx 0001 00 front entry, SM-4X
TK 586 S LY xx 0001 7W front entry, SM-4X
TK 586 T LY xx 0001 00 front entry, SM-6X
TK 586 T LY xx 0001 TV front entry, SM-6X
TK 587 S LY xx 0001 00 rear entry, SM-4X
TK 587 S LY xx 0001 BN rear entry, SM-4X
EX (extra wide) faceshield (20 mil PVC)
zipper closure
storm flap over zipper
internal waist belt
expanded back
attached butyl gloves
attached socks*
outer boot flaps
clearly labeled as
a training suit



*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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.

Specialty Items

WHEN YOU'RE LOOKING FOR A SOLUTION THAT'S UNIQUE TO YOUR INDUSTRY,

there's a company looking out for you—DuPont. We've built our reputation on providing superior protection across a range of industries. From DuPont™ Tempro® to DuPont Controlled Environments, our scientists and engineers are constantly innovating to bring you and your workers the technology that helps keep them safe on the job.



DuPont™ Tempro® Secondary flame-resistant protection



TEMPRO®

- 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
- Tempro® is blue

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

coverall¹

TM 120 S BU xx 0025 00
serged seams
collar
front zipper closure
SM-6X



coverall¹

TM 127 S BU xx 0025 00
serged seams
attached hood
front zipper closure
elastic wrists
elastic ankles
SM-6X



coverall¹

TM 122 S BU xx 0025 00
serged seams
attached hood
front zipper closure
elastic wrists
elastic ankles
attached sock boots²
SM-7X



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 Tempro® 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.

Note: Not all sizes available in all styles.

DuPont™ Kevlar®— Cut and Abrasion Protection

WHEN ONLY FABRIC STANDS BETWEEN YOU AND A RAZOR-SHARP EDGE,

it's good to know you're wearing DuPont™ Kevlar®. Created and engineered by DuPont scientists, Kevlar® offers superior cut protection, as well as the comfort and flexibility workers need to do their jobs safely and efficiently.

This ideal combination of protection and performance benefits makes protective apparel made of Kevlar® a good fit in many industries, including automotive; steel, glass and metal handling; computer assembly; aerospace; and electronics. In addition to its exceptional cut protection, Kevlar® brand fiber also provides strength at high temperatures, which makes it appropriate for gloves and mittens used in high-heat applications. Inherently flame-resistant, Kevlar® brand fiber won't burn or support combustion, and unlike nylon, polyester and polyethylene, it will not melt.

DuPont Licensed Manufacturers.

Kevlar® technology is available from a network of licensed manufacturers that produce a wide range of industrial protective apparel made with Kevlar®. Branded PPE from a licensed manufacturer means you will receive the benefits of Kevlar® fiber content. For more information on protective apparel made with Kevlar® and to obtain a list of DuPont Licensed Manufacturers, visit our website.

Gloves and sleeves of Kevlar® brand fiber are:

- Strong and lightweight
- Exceptionally cut-resistant
- Inherently flame-resistant and will not melt
- Comfortable, washable and long-lasting

In response to the demand for increased protection and performance, DuPont has developed Kevlar® Armor and Kevlar® Comfort Technology. Both technologies broaden the available range of PPE made with Kevlar® in terms of cut protection, dexterity and wearer comfort.



BE KEVLAR® READY.

DuPont Controlled Environments

WHEN THE HEALTH OF YOUR BUSINESS DEPENDS ON THE SMALLEST DETAILS, it's good to know our scientists and engineers understand your biggest risks. That's why pharmaceutical, biotechnology and life science manufacturing companies choose DuPont Controlled Environments apparel for their critical cleanroom processes. We provide state-of-the-art apparel that meets rigorous standards for sterility, cleanliness and quality to help protect your people and your critical processes. From our ISO-registered facility to clean-processing, packaging and sterilization, DuPont products stand for high quality.



A RANGE OF OPTIONS FOR YOUR CONTROLLED ENVIRONMENT.

No two environments are exactly the same. So we offer a range of garments to meet your needs. And we continue to innovate to develop the next generation of safe and comfortable protective solutions.

DuPont™ Tyvek™ IsoClean™ garments are designed to meet the rigorous requirements of controlled environments. They provide inherent, breathable barrier protection against submicron particles, airborne microbes and non-hazardous liquids. Plus, they offer comfort, durability and ease of movement for greater performance.



DuPont™ ProClean™ is based on microporous laminate fabric technology and offers protection where liquid splash and dry particulate protection are of concern. ProClean™ offers workers both comfort and barrier protection.

For more information, refer to DuPont Controlled Environments catalog K-17384-1.

BE DUPONT READY.

DuPont™ Nomex® and Protera® — Flame and Electric Arc Protection

WHEN PROTECTION HAS TO MEET THE HIGHEST STANDARDS, there's a fiber that's certified for most extreme conditions—DuPont™ Nomex®. Created by DuPont scientists and technicians, only Nomex® has a 40-year-plus history of protecting workers from flash fire and electric arc hazards in a range of industries from refining and chemical manufacturing to electric and gas utilities.



THE FIRST NAME IN THERMAL PROTECTION— DUPONT™ NOMEX®.

DuPont™ Nomex® is inherently flame resistant. It won't melt, drip or support combustion in air. And this flame resistance cannot be washed out or worn away. Extremely durable, Nomex® delivers excellent cost-per-wear. It's also light and flexible, so workers have the safety and comfort it takes to get the job done right.

The latest innovation in thermal protection— DuPont™ Protera®.

DuPont scientists continue to innovate, bringing new solutions to industrial workers, such as DuPont™ Protera® for electric arc protection. It's the fabric that meets the National Fire Protection Association (NFPA) 70E Category 2 requirements; offers protection that won't wash or wear away; and gives workers better comfort and durability than flame resistant cotton-nylon blends.

Kinectrics—a proven testing ground for electric arc.

Garments made of Nomex® and Protera® fabrics are tested for electric arc performance at the internationally recognized, third-party laboratory Kinectrics. This state-of-the-art testing facility helps ensure that DuPont thermal-resistant fabrics meet your tough, real-world conditions.

Protective apparel made with either Nomex® or Protera® is available to meet ASTM F1506, along with the following requirements:

NFPA 2112—a standard developed by the NFPA, covers flame-resistant garments that protect industrial personnel against flash fires.

NFPA 70E—a standard developed by the NFPA, outlines the need for comprehensive electrical safety programs, including the wearing of flame-resistant clothing to protect workers from electric arcs.

NESC—garments made of DuPont™ Nomex® and Protera® meet guidelines set by the NESC®. This code sets the rules for practical safeguarding of persons during the installation, operation or maintenance of electric supply and communication lines and associated equipment. The NESC® guidelines contain basic provisions considered necessary for the safety of employees and the public under specified conditions.

DuPont Preferred Partners. Protective apparel made of Nomex® and Protera® is available through the DuPont Preferred Partners Program and manufactured by DuPont Preferred Partners. Visit our website for a list of DuPont Preferred Partners.

BE NOMEX® READY.



WHEN IT'S UP TO YOU TO EXPECT THE WORST, DuPont is prepared to help give you the level of protection you need against many threats. Our scientists pioneered DuPont™ Tychem® brand fabric. It's the material that HazMat responders, law enforcement officers, hospital first receivers and military personnel choose for protection against chemical, biological and radioactive particle hazards.

Helping set the standard for safety. At DuPont, we've worked with federal agencies to help develop safety standards for the HazMat category. And the research continues. Extensive testing ensures our highest-level suits provide at least 30 minutes of protection against 322 challenge chemicals. What's more, Tychem® garments are also available as NFPA-certified ensembles.

DuPont™ Nomex® and DuPont™ Kevlar® for firefighter protection. Nomex® brand fibers have a more than 40-year history in the Fire Services market. When used in firefighter turnout systems, Nomex® and Kevlar® provide proven protection, durability and comfort from the inside out. In fact, 70% of a turnout's thermal protection comes from the inner components made using Nomex® and Kevlar®.



Outstanding protection for tough situations. Only DuPont offers such a wide range of tested and proven solutions, such as:



Tychem® BR — the new NFPA 1992 and NFPA 1994 2007 Edition Class 2 garment for liquid and vapor protection against the chemicals most frequently involved in HazMat incidents.



Tychem® QC for Corrections — designed specifically to give corrections officers outstanding protection against biohazards like blood, body fluid and viral contaminants.



Tychem® TK — especially suited to HazMat and domestic preparedness situations, delivering our highest level of protection against toxic, corrosive gaseous, liquid and solid chemicals.

Safety and mobility go hand in hand. Increasing ease of movement reduces stress on the wearer. Strong fabric, tight seams, secure zippers and wider faceshields with better visibility are part of that equation. High-visibility colors add to wearer safety, although low-visibility options are also available. It's all about being prepared to get the job done.



DuPont offers Berry Amendment and Trade Agreement Act (TAA) compliant garments.

BE DUPONT READY.



TY 120 S



TY 127 S

coverall

TY 120 S WH xx 0025 00
 TY 120 S WH xx 0025 PI
 TY 120 S WH 00 0025 TV
 serged seams
 collar
 front zipper closure
 comfort fit design
 elastic waist
 SM-7X



coverall

TY 122 S WH xx 0025 00¹
 serged seams
 attached hood (respirator fit)¹
 front zipper closure
 elastic wrists
 elastic ankles
 elastic waist
 attached skid-resistant boots
 comfort fit design
 SM-7X



coverall

TY 127 S WH xx 0025 TV¹
 serged seams
 attached hood (respirator fit)¹
 front zipper closure
 elastic wrists
 elastic ankles
 elastic waist
 comfort fit design
 SM-7X



Only TV and BN option codes are TAA or Berry compliant.

¹Respirator 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 p. 7 for photos.

²These 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.

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.

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

WARNING: Tychem® and Tyvek® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Only Tychem® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.

coverall

QC 125 S YL xx 0012 00
 QC 125 S YL xx 0012 PI
 serged seams
 collar
 front zipper closure
 elastic wrists
 elastic ankles
 SM-7X



coverall

QC 125 B YL xx 0012 00 bound seams, SM-6X
 QC 125 T YL xx 0004 00 taped seams, SM-7X
 QC 125 T GY xx 0004 00 taped seams, SM-7X
 collar
 front zipper closure
 storm flap
 elastic wrists
 elastic ankles



coverall

QC 127 S YL xx 0012 00
 serged seams
 attached hood
 front zipper closure
 elastic wrists
 elastic ankles
 SM-7X



coverall

QC 127 B GY xx 0012 00 bound seams, SM-6X
 QC 127 B YL xx 0012 00 bound seams, SM-7X
 QC 127 T GY xx 0004 00 taped seams, SM-7X
 QC 127 T YL xx 0004 00 taped seams, SM-7X
 attached hood
 front zipper closure
 storm flap
 elastic wrists
 elastic ankles



coverall

QC 122 S GY xx 0012 PI
 QC 122 S YL xx 0012 00
 serged seams
 attached hood
 front zipper closure
 elastic wrists
 attached socks²
 SM-7X



QC 125 T GY



QC 122 B YL

TYCHEM® QC

- Light liquid splash protection
- Used extensively in the petroleum; pulp and paper; food processing; chemical processing; and pharmaceutical industries
- Tychem® QC is polyethylene-coated Tyvek® fabric
- Flexible, durable and lightweight
- When used with masks and gloves, can help reduce the risk of cross-contamination in pandemic preparedness activities
- Tychem® QC provides at least 30 minutes of protection against 42 chemical challenges
- Tychem® QC is yellow for high visibility

TYCHEM® QC FOR CORRECTIONS

- Fits the unique safety requirements for inmate extractions in corrections facilities
- Sized to be worn over protective equipment used by corrections officers
- Provides excellent barrier against biohazards such as blood, body fluid and viral contaminants
- Tychem® QC 122 T/125 T/127 T pass ASTM F1671 standard testing for viral penetration by potentially infectious blood and body fluids
- Gray color provides contrast against high-visibility prisoner uniforms
- Tychem® QC for Corrections provides at least 30 minutes of protection against 42 chemical challenges
- **BN** = Berry compliant

coverall

QC 122 B YL xx 0012 00 bound seams, SM-6X
 QC 122 B YL xx 0012 BN bound seams, SM-6X
 QC 122 T YL xx 0004 00 taped seams, SM-7X
 attached hood
 front zipper closure
 storm flap
 elastic wrists
 attached socks²



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



SL 122 B

SL 127 B

TYCHEM® SL

- Effective protection against a range of chemicals
- Uses include waste management, hazardous response and nuclear environments
- Tychem® SL is Saranex™ 23-P film laminated to DuPont™ Tyvek® fabric
- Rugged and durable, even in environments where abrasion is an issue
- When used with masks and gloves, can help reduce the risk of cross-contamination in pandemic preparedness activities
- Tychem® SL provides at least 30 minutes of protection against 124 chemical challenges
- Tychem® SL is white
- **BN** = Berry compliant

coverall

- SL 122 B WH xx 0012 00'
- SL 122 B WH xx 0012 BN'
- SL 122 T WH xx 0006 00'
- SL 122 T WH xx 0006 BN'

- bound seams
- taped seams
- attached hood
- front zipper closure
- storm flap
- elastic wrists
- attached socks'
- SM-7X



coverall

- SL 127 B WH xx 0012 00
- SL 127 T WH xx 0006 00
- SL 127 T WH xx 0006 M4

- bound seams
- taped seams
- attached hood
- front zipper closure
- storm flap
- elastic wrists
- elastic ankles
- SM-7X



coverall

- TF 145 T GY xx 0006 TV
- TF 145 T GY xx 0006 00

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- elastic wrists
- elastic ankles
- SM-5X



coverall

- TF 169 T GY xx 0006 TV
- TF 169 T GY xx 0006 00

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- elastic wrists
- attached socks'
- SM-5X



TF 169 T



TF 145 T

TYCHEM® F

- Widely used by military personnel and first responders for chemical warfare situations
- Strong and durable garments with broad chemical barrier
- When potential exposure to industrial chemicals and chemical warfare agents exists
- Successfully tested by Soldier and Biological Chemical Command (SBCCOM) in Aberdeen, MD
- Tychem® F is a barrier film laminated to DuPont™ Tyvek®
- Tychem® F provides at least 30 minutes of protection against 181 chemical challenges
- Tychem® F is gray for discretionary purposes
- **TV** = TAA compliant

Only TV and BN option codes are TAA or Berry compliant.

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.

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 p.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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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 all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide on our website for permeation data that meets your specific needs.

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.

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



C3 184 T



C3 185 T

TYCHEM® CPF 3

- Strong and durable garments with broad chemical barrier
- Use when potential exposure to chemical warfare agents exists
- Tychem® CPF 3 is a multi-layer barrier film laminated to a durable 2.0 oz/yd² polypropylene fabric
- Tychem® CPF 3 provides at least 30 minutes of protection against 149 chemical challenges
- Tychem® CPF 3 is tan for discretionary purposes
- **BN** = Berry compliant

TYCHEM® CPF 3 HD

- Tychem® CPF 3 HD garments are intended for use by law enforcement, HazMat and hospital personnel
- Offered in respirator fit hood and collar style for use with a PAPR; ideal for hospital first receiver applications
- Tychem® CPF 3 HD garments include integrated gloves and improved closures to reduce response time, deliver a high level of dexterity and tactility, and improve protection

encapsulated Level B

- C3 528 T TN xx 0006 00**
 taped seams
 standard faceshield (20 mil PVC)
 rear entry
 zipper closure
 double storm flaps
 with hook-and-loop closure
 one exhaust vent
 expanded back
 elastic wrist
 attached sock¹
 outer boot flaps
 SM-4X



coverall HD design

- C3 184 T TN xx 0006 00**
C3 184 T TN xx 0006 TM
 taped seams
 collar
 front zipper closure
 double storm flaps with hook-and-loop closure
 attached jam fit removable/field replaceable
 neoprene outer/Barrier[®] inner gloves
 attached socks¹
 outer boot flaps
 SM-4X



coverall HD design

- C3 185 T TN xx 0006 00**
C3 185 T TN xx 0001 HM
C3 185 T TN xx 0001 HR
C3 185 T TN xx 0006 TM
 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/Barrier[®] inner gloves
 attached socks¹
 outer boot flaps
 SM-4X



coverall

- C3 122 T TN xx 0006 BN** SM-5X
C3 122 T TN xx 0006 00 SM-7X
 taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks¹



coverall

- C3 128 T TN xx 0006 00**
C3 128 T TN xx 0006 BN
C3 128 T TN xx 0006 2K
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks¹
 outer boot flaps
 SM-5X



Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide 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.

encapsulated Level B

- BR 528 T YL xx 0001 00**
BR 528 T YL xx 0001 BN
 taped seams
 rear entry
 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-5X



coverall

- BR 127 T YL xx 0002 00**
LV 127 T OD xx 0002 00
LV 127 T OD xx 0002 BN
 taped seams
 attached hood
 front zipper closure
 storm flap with tape closure
 elastic wrists
 elastic ankles
 SM-5X



coverall

- BR 128 T YL xx 0002 00** SM-7X
BR 128 T YL xx 0002 BN SM-5X
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 storm flap with tape closure
 elastic wrists
 attached socks¹
 outer boot flaps



Please note that all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide on our website for permeation data that meets your specific needs.

Bound seams are degraded by, and should not be worn in the presence of, strong mineral acids.

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

Only TV and BN option codes are TAA or Berry compliant.

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.

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 p. 7 for photos.

Storm Flaps: All taped seam coveralls have a single storm flap with a pressure-sensitive tape closure. Option 2K garments have a hook-and-loop storm flap 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.



BR 127 T



LV 127 T

**TYCHEM® BR
TYCHEM® LV**

- 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® BR and Tychem® LV provide at least 30 minutes of protection against 282 chemical challenges
- Tychem® BR is yellow for high visibility; Tychem® LV is olive drab for discretionary purposes
- **BN** = Berry compliant



encapsulated Level A

RC 550 T TN xx 0010 00 MD-4X
 RC 550 T TN xx 0001 7C call for sizing
 RC 550 T TN xx 0001 7D call for sizing
 RC 550 T TN xx 0001 7E call for sizing
 RC 550 T TN xx 0001 7R call for sizing
 RC 550 T TN xx 0001 7S call for sizing
 RC 550 T TN xx 0001 7W call for sizing
 RC 550 T TN xx 0010 TV MD-5X
 double taped seams
 front entry
 2 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



coverall

RC 128 T TN xx 0001 00
 double taped seams
 attached hood (respirator fit)²
 front zipper closure
 double storm flap
 with hook-and-loop closure
 attached butyl (mil. spec. glove) gloves
 with attached conical cuff for jam fit
 attached socks¹
 outer boot flaps
 SM-4X



Please see accessories section on p. 54-55 for additional items.



universal pressure test kit



decon shower



Cool-Guard® vest

Only TV and BN option codes are TAA or Berry compliant.

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.

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 p. 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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® RESPONDER® CSM

- High-level protection against toxic and corrosive gaseous, liquid and solid chemicals—see the Tychem® Permeation Guide
- Used for military weapon demilitarization
- Suited for HazMat and domestic preparedness situations
- Patented, lightweight fabric of multiple film barriers laminated to both sides of a polypropylene fabric
- Wide range of garment styles available, including fully encapsulated vapor protective Level A and liquid-splash protective Level B suits
- Tychem® Responder® CSM provides at least 30 minutes of protection against 426 chemical challenges
- Tychem® Responder® CSM is desert sand for discretionary purposes
- TV = TAA compliant

Please note that all fabrics have different permeation performance. Please check SafeSPEC® 2.0 and the Tychem® Permeation Guide on our website for permeation data that meets your specific needs.

For our line of fully encapsulated training suits, please see our accessories section on p. 54-55.

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

HazMat encapsulated Level A

TK 554 T LY xx 0001 00 butyl outer gloves, SM-4X
 TK 554 T LY xx 0001 5C Viton® outer gloves, SM-4X
 TK 554 T LY xx 0001 74 call for sizing
 TK 554 T LY xx 0001 7M call for sizing
 TK 554 T LY xx 0001 7N call for sizing
 TK 554 T LY xx 0001 7S call for sizing
 TK 554 T LY xx 0001 7W call for sizing
 TK 554 T LY xx 0001 7Y call for sizing
 TK 554 T LY xx 0001 7Z call for sizing
 TK 554 T LY xx 0001 8B call for sizing
 TK 554 T LY xx 0001 8M call for sizing
 TK 554 T LY xx 0001 S9 call for sizing
 TK 554 T LY xx 0001 TV SM-4X
 TK 554 T LY xx 0001 YH call for sizing
 TK 554 T LY xx 0001 Z3 call for sizing
 TK 554 T LY xx 0001 ZW call for sizing
 double taped seams
 front entry
 EX (extra wide) 3-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 Auer® exhaust valves
 expanded back
 internal adjustment belt
 attached internal Barrier® gloves
 attached outer butyl or Viton® gloves
 knee wear pads
 attached socks¹
 outer boot flaps with elastic



HazMat encapsulated Level A

TK 555 T LY xx 0001 00 butyl outer gloves, SM-4X
 TK 555 T LY xx 0001 2T call for sizing
 TK 555 T LY xx 0001 2X call for sizing
 TK 555 T LY xx 0001 5C Viton® outer gloves, SM-4X
 TK 555 T LY xx 0001 6G call for sizing
 TK 555 T LY xx 0001 6X call for sizing
 TK 555 T LY xx 0001 7E call for sizing
 TK 555 T LY xx 0001 7F call for sizing
 TK 555 T LY xx 0001 7M call for sizing
 TK 555 T LY xx 0001 7R call for sizing
 TK 555 T LY xx 0001 7S call for sizing
 TK 555 T LY xx 0001 7T call for sizing
 TK 555 T LY xx 0001 7W call for sizing
 TK 555 T LY xx 0001 7Z call for sizing
 TK 555 T LY xx 0001 8B call for sizing
 TK 555 T LY xx 0001 8M call for sizing
 TK 555 T LY xx 0001 8T call for sizing
 TK 555 T LY xx 0001 9J call for sizing
 TK 555 T LY xx 0001 DE call for sizing
 TK 555 T LY xx 0001 NN call for sizing
 TK 555 T LY xx 0001 TV SM-4X
 TK 555 T LY xx 0001 YH call for sizing
 TK 555 T LY xx 0001 ZW call for sizing
 double taped seams
 rear entry
 EX (extra wide) 3-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 Auer® exhaust valves
 expanded back
 internal adjustment belt
 attached internal Barrier® gloves
 attached outer butyl or Viton® gloves
 knee wear pads
 attached socks¹
 outer boot flaps with elastic



TYCHEM® TK

- Premium protection against toxic, corrosive gaseous, liquid and solid chemicals—see the Tychem® Permeation Guide
- Leading garment chosen by HazMat responders worldwide
- Extremely durable, puncture- and tear-resistant fabric
- Wide range of garments available, including fully encapsulated, vapor protective Level A and liquid-splash protective Level B suits
- Tychem® TK provides at least 30 minutes of protection against 322 chemical challenges
- Tychem® TK is high-visibility lime yellow
- TV = TAA compliant

coverall

TK 128 T LY xx 0002 TV
 taped seams
 attached hood (respirator fit)²
 front zipper closure
 double storm flaps with tape closure
 elastic wrists
 attached socks¹
 outer boot flaps
 SM-6X





TP 199 T OR

TP 198 T GY

DUPONT™ TYCHEM® THERMOPRO

- A single-layer triple threat protective garment that resists chemicals and provides flash fire escape and electrical arc protection
- Unique combination of Tychem® chemical barrier and DuPont™ Nomex® thermal protection
- Meets requirements of NFPA 1992 *Standard on Liquid-Splash Protective Ensembles and Clothing for Hazardous Materials Emergencies* (2005 Edition) and NFPA 2112 *Standard on Flame Resistant Garments for Protection of Industrial Personnel against Flash Fire* (2007 Edition)
- Tychem® ThermoPro provides burn injury protection with an arc rating of 15.2 cal/cm² Ebt
- Constructed for heavy use, yet lightweight and easy to wear
- Tychem® ThermoPro provides at least 30 minutes of barrier protection against 182 chemical challenges
- Tychem® ThermoPro is available in orange for high visibility and gray for discretionary purposes
- **BN** = Berry compliant.

coverall

TP 198 T GY xx 0002 BN

TP 198 T OR xx 0002 BN

- taped seams
- attached hood with drawstrings (respirator fit)²
- front zipper closure
- double storm flaps with hook-and-loop closure
- elastic wrists
- hemmed ankles
- SM-5X



coverall

TP 199 T GY xx 0002 BN

TP 199 T OR xx 0002 BN

- taped seams
- attached hood with drawstrings (respirator fit)²
- front zipper closure
- double storm flaps with hook-and-loop closure
- elastic wrists
- attached socks¹
- outer boot flaps
- SM-5X



TP 198 T

Please see accessories section on p. 54-55 for additional items.



universal pressure test kit



decon shower



Cool-Guard® vest

coverall HD

C3 198 T TN xx 0006 00

C3 198 T TN xx 0006 BN

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- with hook-and-loop closure
- elastic wrists
- elastic ankles
- SM-5X



coverall HD

C3 198 T TN xx 0006 WG

C3 198 T TN xx 0006 BG

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- with hook-and-loop closure
- attached Guardian™ butyl outer/Barrier™ inner gloves
- elastic ankles
- SM-5X



coverall HD

C3 199 T TN xx 0006 00

C3 199 T TN xx 0006 BN

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- with hook-and-loop closure
- elastic wrists
- attached socks¹
- outer boot flaps
- SM-5X



coverall HD

C3 199 T TN xx 0006 WG

C3 199 T TN xx 0006 BG

- taped seams
- attached hood (respirator fit)²
- front zipper closure
- storm flap
- with hook-and-loop closure
- attached Guardian™ butyl outer/Barrier™ inner gloves
- attached socks¹
- outer boot flaps
- SM-5X



C3 199 T



C3 198 T

DUPONT™ TYCHEM® CPF 3

- Uses include chemical and petrochemical handling, hazardous materials/waste cleanup, industrial HazMat teams, utilities and domestic preparedness
- Tychem® CPF 3 is a multi-layer barrier film laminated to a durable 2.0 oz/yd² polypropylene fabric
- Tychem® CPF 3 provides at least 30 minutes of protection against 149 chemical challenges
- Dolman sleeve design improves range of motion and provides wearer with more room and a better fit
- Available with a thin butyl integrated dual layer glove system to provide responders with more dexterity, also available without gloves
- Tychem® CPF 3 is tan for discretionary purposes
- **BN** = Berry compliant.

Only TV, BG and BN option codes are TAA or Berry compliant.

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.

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 p. 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® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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 all fabrics have different permeation performance. Please check SafeSPEC™ 2.0 and the Tychem® Permeation Guide on our website for permeation data that meets your specific needs.

For our line of fully encapsulated training suits, please see our accessories section on p. 54-55.

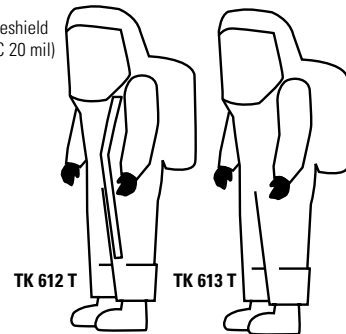
Stock/Make to Order designations are based on sales volume and production efficiencies. Therefore, designations are subject to change without notice.



NFPA standards—1992 and 1994—set the highest performance requirements for protective ensembles. DuPont Personal Protection offers ensembles that meet these rigorous testing standards. These tests are performed by independent testing labs and are certified by the Safety Equipment Institute.

HazMat fully encapsulated Level A Tychem® TK certified to NFPA 1994 (2007 Edition) Class 2

- TK 612 T LY xx 0001 00 front entry, SM-4X
- TK 612 T LY xx 0001 7N front entry, call for sizing
- TK 612 T LY xx 0001 7S front entry, call for sizing
- TK 612 T LY xx 0001 7W front entry, call for sizing
- TK 613 T LY xx 0001 00 rear entry, call for sizing
- double taped seams
- three-layer EX (extra wide) faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
- gas-tight zipper closure
- double storm flap
- two Auer® exhaust valves
- expanded back
- attached two-layer gloves (Barrier®/neoprene)
- attached socks¹
- outer boot flaps with elastic



Tychem® BR and Tychem® LV coveralls certified to NFPA 1992 (2005 Edition) and NFPA 1994 (2007 Edition) Class 2

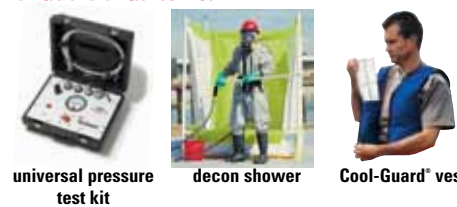
- BR 611 T YL xx 0001 BN²
- LV 611 T OD xx 0001 BN²
- taped seams
- SCBA face piece interface hood
- rear zipper closure
- triple storm flap with hook-and-loop closure
- attached jam fit removable/field replaceable neoprene outer/Barrier® inner gloves
- attached socks¹
- outer boot flaps
- SM-5X



Tychem® LV low-visibility olive drab



Please see accessories section on p. 54-55 for additional items.



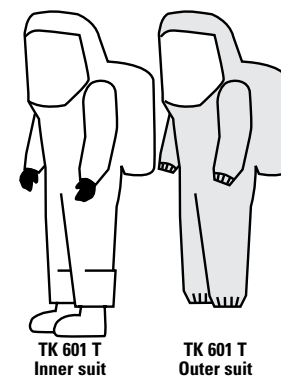
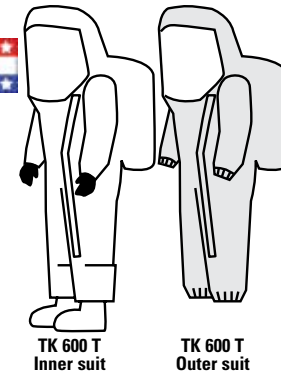
Please note that all fabrics have different permeation performance. Please check SafeSPEC® 2.0 and the Tychem® Permeation Guide on our website for permeation data that meets your specific needs.

For our line of fully encapsulated training suits, please see our accessories section on p. 54-55.

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

fully encapsulated Level A Tychem® TK ensembles certified to NFPA 1991¹ (2005 Edition)

- TK 600 T LY xx 0001 00² front entry, SM-4X
- TK 600 T LY xx 0001 7W front entry
- TK 600 T LY xx 0001 TV² front entry
- TK 601 T LY xx 0001 00² rear entry
- TK 601 T LY xx 0001 7M² rear entry
- TK 601 T LY xx 0001 7S² rear entry
- TK 601 T LY xx 0001 TV² rear entry, SM-4X
- INNER SUIT:**
 - double taped seams
 - three-layer EX (extra wide) faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
 - gas-tight zipper closure
 - double storm flap
 - four Auer® exhaust valves
 - expanded back
 - attached 3-layer gloves (Barrier®/neoprene/Kevlar® knit)
 - attached socks¹
 - outer boot flaps with elastic
- OUTER SUIT:**
 - aluminized fiberglass sewn Nomex® seams
 - EX (extra wide) faceshield (Lexan® 20 mil)
 - storm flap with hook-and-loop closure
 - four exhaust vents
 - expanded back
 - elastic wrists
 - elastic ankles



fully encapsulated Level A Tychem® Reflector® suit certified to NFPA 1991 (2005 Edition)

- RF 600 T SV xx 0001 00² SM-4X
- RF 600 T SV xx 0001 7M²
- RF 600 T SV xx 0001 7S²
- RF 600 T SV xx 0001 7W²
- RF 600 T SV xx 0001 7N²
- “single skin” multi-layer construction
- triple taped seams
- front entry
- three-layer faceshield (PVC 40 mil/Teflon® 5 mil/PVC 20 mil)
- gas-tight zipper closure
- double storm flaps with hook-and-loop closure
- three Pirelli® exhaust valves
- expanded back
- glove liners
- multi-layer attached gloves (Barrier®/neoprene/Kevlar® knit)
- attached socks¹
- outer boot flaps



TYCHEM® TK

- For use in chemical/biological terrorism incidents
- Fully encapsulated design protects the wearer and respiratory equipment
- Extremely durable to abrasion, tearing, punctures and cuts
- Premium protection against toxic, corrosive gaseous, liquid and solid chemicals—see the Tychem® Permeation Guide
- Leading garment chosen by HazMat responders worldwide
- Tychem® TK provides at least 30 minutes of protection against 322 chemical challenges
- Tychem® TK is high-visibility lime yellow

NEW—TYCHEM® BR AND TYCHEM® LV

- For use in chemical/biological incidents
- Increased liquid and vapor protection without encapsulation
- Excellent chemical protection along with puncture and abrasion resistance
- Rear entry for ease of donning and doffing
- Designed to be used with NIOSH approved CBRN SCBAs
- Tychem® BR and Tychem® LV provide at least 30 minutes of protection against 282 chemical challenges
- Tychem® BR is high-visibility yellow; Tychem® LV is low-visibility olive drab
- **BN** = Berry compliant

TYCHEM® TK

- Suits provide excellent chemical holdout
- Certified to NFPA 1991 (2005 Edition)¹
- Ideally suited for industrial and HazMat situations
- Tychem® TK suit with aluminized fiberglass overcover
- Outer shell is high-visibility silver

TYCHEM® REFLECTOR®

- Limited-use “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® Reflector® provides at least 30 minutes of protection against 291 chemical challenges
- Tychem® Reflector® is high-visibility silver
- **TV** = TAA compliant

Only TV and BN option codes are TAA or Berry compliant.

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.

²Certified to liquefied gas option.

Tychem® TK ensembles are certified to NFPA 1991, assuming both the aluminized fiberglass overcover and chemical protective inner suit are worn, as well as any other necessary protection such as respirators, boots, etc. Seams and closures have less barrier than fabric.

WARNINGS: 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. **2)** Tychem® should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Only Tychem® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro 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.

air relief valve

99 937 0 00 00 0001 00
Pirelli® exhaust valve



air relief valve

99 026 0 00 00 0001 00
Auer® exhaust valve



exhaust diaphragm

99 122 0 00 00 0001 00 1/cs
99 122 0 00 00 0002 00 2/cs
99 122 0 00 00 0003 00 3/cs
Pirelli®



exhaust diaphragm

99 118 0 00 00 0001 00 1/cs
99 118 0 00 00 0002 00 2/cs
99 118 0 00 00 0004 00 4/cs
Auer®



glove ring assembly

99 015 0 00 00 0002 00
option BB
Level A/B
detachable
twist-lock assembly



glove ring assembly

99 016 0 00 00 0001 00
Level A/B
half of twist-lock assembly



glove ring assembly

99 014 0 00 00 0001 00
Level B
butyl o-rings
PVC glove rings



glove ring assembly

99 961 0 00 00 0002 00
male glove insert



Additional components available,
please contact Customer Service.

For a complete list of passthrough
option codes, please see p. 11.
For more detailed information
regarding passthroughs, please call
Customer Service at 1-800-931-3456.

decon shower

TK 490 T 00 00 0001 00
basin and shower head
(without curtain)
TK 491 T 00 00 0001 00
curtain and piping

easy assembly
adjustable shower wand
catch basin

Ideal solution for decon
procedures during any
HazMat crisis.



Cool-Guard® vest

99 600 0 BU 00 0001 00
Personal cooling product that works
to reduce body heat.

99 603 0 00 00 0001 00
Spare set (4) Cool-Guard® Refills



universal pressure test kit

99 081 0 00 00 0001 00 kit
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.



adapters for test kits

99 116 0 00 00 0001 00 Auer®
99 939 0 00 00 0001 00 Pirelli®
Two adapters for DuPont kit to test
Tychem® Responder® suits.



99 116

99 939

anti-fog/anti-static cleaner

99 965 0 00 00 0001 00 2 oz.
For use with DuPont® Tychem® protective
garment faceshields, welding lenses,
safety plates and eyeglasses.



Training suits offer an economical and effective option for HazMat training.

Tychem® TK fully encapsulated training suit

TK 586 S LY xx 0001 00 front entry, SM-4X
TK 586 S LY xx 0001 7W front entry, SM-4X
TK 586 T LY xx 0001 00 front entry, SM-6X
TK 586 T LY xx 0001 TV front entry, SM-5X
TK 587 S LY xx 0001 00 rear entry, SM-4X
TK 587 S LY xx 0001 BN rear entry, SM-4X
EX (extra wide) faceshield (20 mil PVC)
zipper closure
storm flap over zipper
internal waist belt
expanded back
attached butyl gloves
attached socks*
outer boot flaps
clearly labeled as
a training suit



Only TV and BN option codes are TAA or
Berry compliant.

*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® ThermoPro garments are
designed and tested to help reduce injury during escape
from a flash fire. Users of Tychem® ThermoPro 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™ Nomex® and DuPont™ Kevlar®— Proven Performance for Fire Service

WHEN YOU PROTECT HEROES, there's a company that's been on call with firefighters and emergency personnel for more than 40 years—DuPont. Thousands of professionals rely on turnout gear, EMS wear, stationwear and accessories made of DuPont™ Nomex® and DuPont™ Kevlar® fibers. Our scientists created them because we recognize that superior thermal protection is your top priority.

NOMEX®—THE NAME RECOGNIZED BY FIREFIGHTERS WORLDWIDE.

DuPont™ Nomex® brand fiber is inherently flame resistant. It won't melt, drip or support combustion in air. This flame resistance cannot be washed out or worn away. It's also lighter, flexible and breathable, so wearers have exceptional mobility even under extreme conditions. And Nomex® is tested and proven with THERMO-MAN®, the most advanced life-size thermal burn injury evaluation system.

Lightweight strength that stands up to the stress.

It's important that your turnout gear resists tears and abrasions. DuPont™ Kevlar® enhances the overall durability and strength of lightweight turnout gear outershells and thermal liner systems. Kevlar® is five times stronger than steel on an equal weight basis, yet is lightweight, comfortable and thermally protective.

Nomex® and Kevlar® outershells.

Nomex® outershells can more than handle the intense heat and flame of today's fires and are among the most durable products on the market. When blended with Kevlar® brand fiber, these durable outershells can be made lighter, providing enhanced comfort and mobility, while lowering total weight, resulting in less heat stress.

Nomex® moisture barrier substrates.

Breathable moisture barriers utilizing Nomex® fiber and Nomex® E89® substrates are used in lightweight, flexible garments designed for enhanced comfort and lower heat stress. The moisture barrier offers protection against the intrusion of water, chemicals and viral agents. These barriers are breathable, allowing metabolic heat to escape and reducing the overall heat stress during strenuous activity.



Nomex® and Nomex® On Demand™ thermal liners.

Because Nomex® thermal liners are less bulky, offering greater comfort, they decrease the threat of heat stress, a leading cause of firefighter injury. Extremely durable, they hold up well after multiple launderings. Now Nomex® On Demand™, the smart technology from DuPont, gives you a liner that remains thin and flexible during routine conditions and automatically activates when exposed to 250°F or higher. The result is a light, flexible liner with a 20% increase in thermal protection (TPP) when it's needed most.



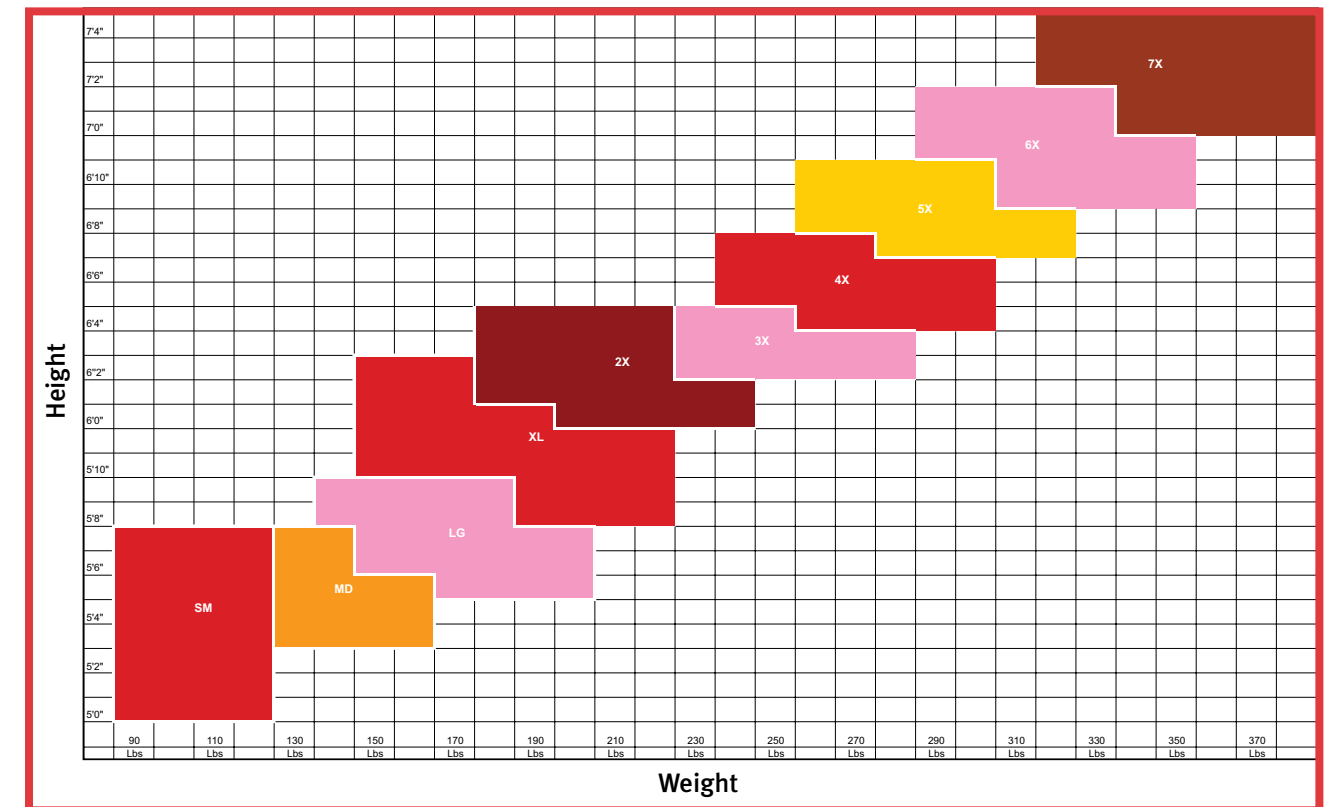
GET THE GENUINE ARTICLE.

Don't settle for less than DuPont™ Nomex® protection. Always look for the Nomex® hangtag. Nomex® and Kevlar® gear are available from DuPont Preferred Partners. For more information, please visit our website at www.PersonalProtection.DuPont.com

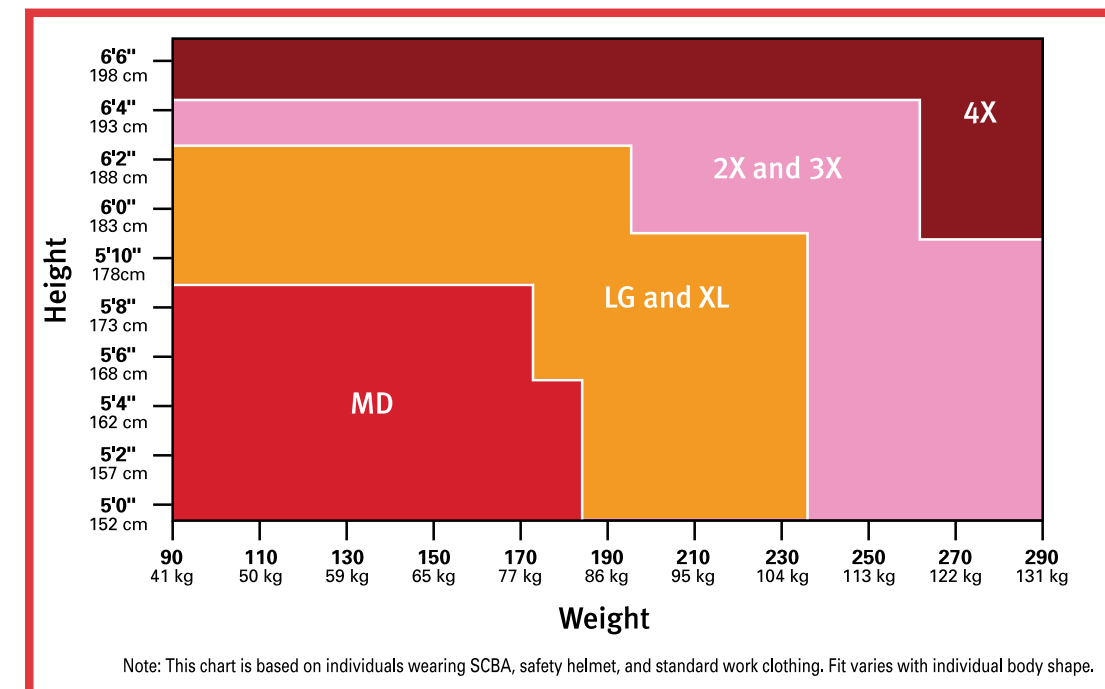
BE NOMEX® READY.

Sizing

Protective garment sizing chart



Protective garment sizing chart for fully encapsulated suits



Be advised that certain garments contained in this catalog description are subject to U.S. Export Control laws. Purchasing these garments subjects your company to those laws for export. For more information, contact us at 1-800-931-3456. We also offer a 24-hour emergency hotline, 1-800-441-7515.

IT IS THE RESPONSIBILITY OF THE USER TO:

Get trained in the proper use, handling, storage, maintenance and disposal of this garment;

Review and understand available information about the appropriate use of this garment;

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

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

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

WARNINGS:

1) Tyvek®, ProShield®, ProShield® NexGen® and Tychem® are not flame resistant and should not be used around heat, flame, sparks or potentially flammable or explosive environments.

2) Only Tychem® ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem® ThermoPro garments should not knowingly enter an explosive environment. **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, user should immediately discontinue use of garment to avoid serious injury, including potentially deadly chemical exposure(s).

Seams and closures may provide less protection than fabric. **5)** Tychem® garments should be worn with boots. **6)** Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present. **7)** DuPont specifications exclude components containing natural rubber latex.

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.

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