DUPONT COVERALLS

*Item #QC120SYL
*Tychem coveralls
*Dupont brand
*yellow color
*no boot and no head cover

*12 coverall per master case
*3,526 total master cases
*42,312 total coveralls
*X-large = 23,268
*XX-large = 10,200
*XXX-large = 8,844

DuPont™ Tychem® QC120SYL Coveralls
Item #: QC120SYL
Color: Yellow | Style: Without Hood & Boots
Engineered by DuPont, a global leader in protective apparel, the Tychem® QC120SYL coveralls offer reliable protection against light chemical splashes and hazardous particles. Made from Tychem® QC fabric, these coveralls feature a polyethylene-coated, durable fabric that provides an effective barrier against a broad range of chemicals.
Designed for comfort and mobility, these bright yellow coveralls are ideal for situations requiring high visibility and consistent protection — without the need for an attached hood or boots.

Key Features

- Made with Tychem® QC fabric for splash and particle protection
- Zipper front for easy donning and doffing
- No hood or boot covers – ideal for use with separate head/foot PPE
- Lightweight and flexible for ease of movement
- High visibility yellow color for safety-critical environments

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Recommended Applications

- Chemical handling & cleanup
- Industrial maintenance
- Emergency response
- Environmental remediation
- General hazardous environments

Backed by the trusted performance of DuPont™, the QC120SYL is a dependable choice for lightweight chemical protective wear.

DuPont™ Tychem® 2000

Lightweight and durable protection against chemical threats

- Composed of Tyvek® fabric with a polyethylene coating
- Provides at least 30 minutes of protection against >40 chemical challenges
- Suitable for light splash protection for a variety of industrial environments
- Provides protection in pandemic preparedness activities when paired with other appropriate personal protective equipment (PPE) including masks, gloves and eye protection
- Tychem® 2000 fabrics with taped seams have been tested and have passed the requirements of ASTM Standards F1670 and ASTM F1671, the recognized blood and viral penetration test methods in North America
- Available in a variety of garment styles

Please visit our free online DuPont™ SafeSPEC™ selector tool to help you determine appropriate protection based on your hazard risk assessment and to view our additional design offerings.

safespec.dupont.com

Petroleum | **Pulp & paper** | **Food processing** | **Chemical processing** | **Pharmaceutical industries**

*See next page for additional garment styles and sizes.

Part number	Garment style	Seam construction	Color	Sizes
QC120SYLXX001200	Coverall	Serged	Yellow	MD-7X
QC120BYLXX001200	Coverall	Bound	Yellow	MD-6X
QC122SYLXX001200	Hooded coverall with attached socks	Serged	Yellow	MD-8X
QC122BYLXX001200	Hooded coverall with attached socks	Bound	Yellow	MD-6X
QC122BYLXX0012BN	Berry Amendment compliant hooded coverall with attached socks	Bound	Yellow	MD-6X
QC122TYLXX000400	Hooded coverall with attached socks	Taped	Yellow	MD-6X
QC125SYLXX001200	Coverall with elastic wrists and ankles	Serged	Yellow	MD-7X
QC125BYLXX001200	Coverall with elastic wrists and ankles	Bound	Yellow	MD-6X
QC125TYLXX000400	Coverall with elastic wrists and ankles	Taped	Yellow	MD-5X
QC127SYLXX001200	Hooded coverall with elastic wrists and ankles	Serged	Yellow	MD-7X
QC127SYLXX0012NF	NAFTA compliant hooded coverall with elastic wrists and ankles	Serged	Yellow	MD-4X
QC127BYLXX001200	Hooded coverall with elastic wrists and ankles	Bound	Yellow	MD-6X
QC127TYLXX000400	Hooded coverall with elastic wrists and ankles	Taped	Yellow	MD-6X
QC273BYLXX010000	Bib-style apron	Bound	Yellow	One size fits most
QC275BYLXX002500	Long-sleeved apron	Bound	Yellow	SM-4X
QC275BYLXX0025HL	Long-sleeved apron with hook-and-loop neck closure	Bound	Yellow	SM-4X
QC275TYLXX0025HL	Long-sleeved apron with hook-and-loop neck closure	Taped	Yellow	SM-5X
QC278BYLXX001200	Long-sleeved apron	Bound	Yellow	One size fits most
QC500BYLXX020000	Sleeve	Bound	Yellow	One size fits most

Seam construction

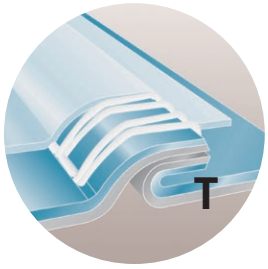
Seams are a critical component of the overall barrier protection provided by a chemical protective garment. It is vital to select the appropriate seam configuration for your application needs and to know that the garment will be constructed with strong, tight seams. One loose thread or gap and the barrier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

Serged or sewn*

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

Bound*

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



Taped

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

*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.

DuPont™ SafeSPEC™—we're here to help

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

safespec.dupont.com

Certified Industrial Hygienist team

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

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DuPont™ Tychem® QC

CHEMICAL PROTECTIVE CLOTHING

Lightweight protection from liquid splashes.

When you need more than dry particulate protection, consider DuPont™ Tychem® QC for protection from light liquid splashes and occasional contact with pesticides, inorganic acids, alkalis, and acids.

A comfortable, lightweight, and durable fabric, DuPont™ Tychem® QC utilizes the strength of DuPont™ Tyvek® fabric and a polyethylene quality coating, making this one of the more comfortable and protective garments available. Tychem® QC is used for light splash protection in a variety of industrial environments, including petroleum refining, pulp and paper manufacturing, food processing, chemical processing, and pharmaceutical manufacturing.[1]

Tychem® QC provides excellent resistance against biohazards such as blood, body fluid, and viral contaminants, and passes ASTM F1670 for blood penetration and F1671 for viral penetration.

Visibility

When working in hazardous conditions, the color and visibility of protective apparel can greatly affect the overall safety of the worker. When workers wear high-visibility colors, it improves how well they are seen and distinguished from the background. Obviously, safety is enhanced when workers can clearly see coworkers. The Tychem® QC yellow color is often a preferred choice because it provides contrast across a wide range of natural backgrounds. In a laboratory study, Tychem® QC received high overall ratings for visibility in dim light, bright light, and contrast with natural backgrounds.[2]

Durability

Tychem® QC consists of a durable Tyvek® substrate quality-coated with polyethylene. Rugged and durable, Tychem® QC is a tough barrier fabric that resists punctures and tears. Yet even in cold temperatures, Tychem® QC remains flexible compared to competitive fabrics, based on measurements over a wide range of temperatures.[3]

Tychem® QC is the only polyethylene-coated fabric backed by DuPont quality standards.

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Permeation

Documentation is available on how DuPont™ Tychem® QC performs against more than 80 chemicals. DuPont makes the only polyethylene-coated fabric for which testing data is provided. This testing data provides detailed information on how well this fabric performs against various chemical classes.[4]

Note: While the uncoated DuPont™ Tyvek® substrate performs well in tests with light splash with low pressure, DuPont™ Tychem® QC passes penetration tests that include high pressures.

Pesticides: To determine the appropriate garment for a liquid application, read the EPA Product Registration Label. If the signal word is "CAUTION" or "WARNING" (only one will be listed), Tychem® QC may be the appropriate choice. If the signal word is "DANGER," Tychem® SL may be appropriate.

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[1] General Garment Specification/Wear Guidelines: Potential for light splash AND no pressure — Select serged seam construction for **small volumes of fluids with minimal or no pressure**.

Potential for light to moderate splash — Select bound seams that are tightly sewn and have a reinforced outer binding to enhance seam strength and barrier quality.

Potential for moderate to heavy splash — Select sewn and taped seams that offer higher strength and penetration resistance. All apparel used in liquid applications should have bound or sealed seams. A storm flap that covers zipper/closure area should also be considered. In the event of a splash or drench, the contaminated garment should be removed and clean apparel donned.

[2] ASTM E 308-95 — "Standard Practice for Computing Colors of Objects by Using the CEI System."

[3] ASTM D747 — "Apparent Bending Modulus of Plastic by Means of a Cantilever Beam."

[4] DuPont Publication — "Permeation Guide for DuPont™ Tychem® & DuPont StaSafe® Protective Fabrics."

Typical Physical Properties of DuPont™ Tychem® QC

Property	Units	Standard
Total Basis Weight, oz/yd^2	2.5	ASTM D3776-90
Thickness, mil	10	ASTM D1777-75
Mullenburst, psi	71	ASTM D3786-87
Breaking Strength Grab, md/cd, lb	41/47	ASTM D5034-90
Tearing Strength Trapezoid, md/cd, lb	7/5	ASTM D1117-80

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Challenge Chemical	Physical Phase	Average Breakthrough Time, min.	Average Permeation Rate, µg/cm^2/min.
Acetone	L	immed.	10
Acetonitrile	L	immed.	16
Anhydrous ammonia	G	immed.	3.1
1,3-Butadiene	G	immed.	12
Carbon disulfide	L	immed.	high
Chlorine	G	immed.	>50
Dichloromethane	L	immed.	>50
Diethyl amine	L	immed.	216
Dimethyl formamide	L	immed.	0.72
Ethyl acetate	L	immed.	high
Ethylene oxide	G	immed.	167
Hexane	L	immed.	high
Hydrogen chloride	G	immed.	9.3
Methanol	L	immed.	high
Methyl chloride	G	immed.	0.23
Nitrobenzene	L	immed.	18
Sodium hydroxide	L	>480	<0.1
Sulfuric acid	L	>480	<0.1
Tetrachloroethylene	L	immed.	high
Tetrahydrofuran	L	immed.	183
Toluene	L	immed.	high

Index of Codes:
> = greater than, **<** = less than, **L** = liquid, **G** = gas, **immed.** = immediate (<10 minutes)

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

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Personal Protection

Customer Service:
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United States 1-800-931-3456

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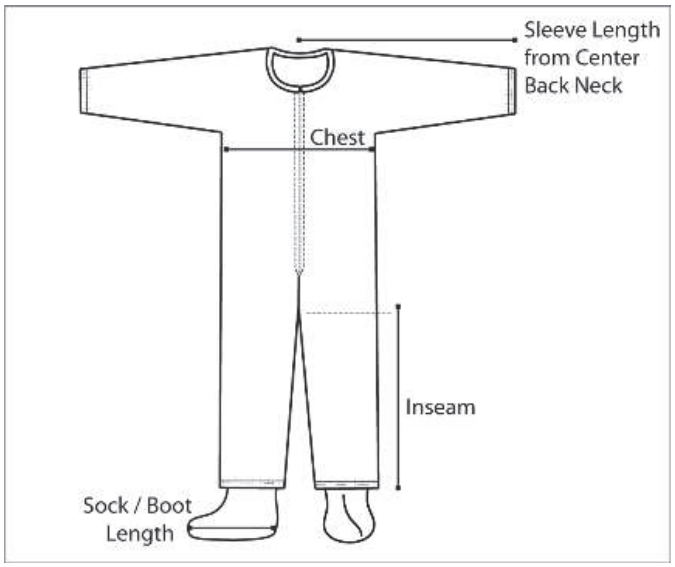
DUPONT™ TYCHEM® 2000
QC120S YL
GARMENT TECHNICAL DATA SHEET



This picture is for measurement reference only.

Customer Service:

North America 1-800-931-3456

SafeSPEC™ Home Page

PRODUCT INFORMATION

ATTRIBUTES	DuPont™ Tychem® 2000 Coverall. Collar. Stormflap. Open Wrists and Ankles. Serged Seams. Yellow.
CATALOG NUMBER	QC120SYLxx0012yy (xx=size;yy=option code)

When ordering, replace xx with desired size.

FULL PART NUMBER	FABRIC / MATERIAL	DESIGN	SEAM	COLOR	QUANTITY/BOX	SIZES	OPTION CODES
QC120SYL xx0012yy (xx =size;yy =option code)	Tychem® 2000	Coverall w/ Open Wrists and Ankles	Serged	Yellow	12 per case	MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X	00, PI

TYPICAL FINISHED DIMENSIONS

SIZE	SLEEVE LENGTH	CHEST WIDTH	INSEAM	FITS CHEST	FITS HEIGHT	INNER GLOVE SIZE	OUTER GLOVE SIZE
MD	33 3/4	24 1/4	28	35 1/4 - 38 3/4	5'3" - 5'7"	n/a	n/a
LG	35	25 3/4	29	38 1/4 - 41 3/4	5'5" - 5'9"	n/a	n/a
XL	36 1/2	27 1/4	29 1/2	41 1/4 - 44 3/4	5'8" - 6'2"	n/a	n/a
2X	38 1/4	28 3/4	30 1/2	44 1/4 - 47 3/4	6'0" - 6'4"	n/a	n/a
3X	38 1/2	30 1/4	31 1/2	47 1/4 - 50 3/4	6'2" - 6'4"	n/a	n/a
4X	39 1/2	32	32 1/2	50 3/4 - 54 1/4	6'4" - 6'7"	n/a	n/a
5X	40 1/2	33 1/2	33 1/2	53 3/4 - 57 1/4	6'7" - 6'10"	n/a	n/a
6X	41 1/2	35 1/2	34 1/2	57 3/4 - 61 1/4	6'9" - 7'1"	n/a	n/a
7X	42 1/2	37	35 1/2	60 3/4 - 64 1/4	7'0" - 7'4"	n/a	n/a

PHYSICAL PROPERTIES - FABRIC DATA

Typical values, not specifications.

PROPERTY	TEST METHOD	RESULT
Thickness	ASTM D1777	10 mils
Basis Weight	ASTM D3776	2.5 oz/yd^2
Burst Strength - Mullen	ASTM D3786	68 psi
Tear Resistance - Trap Tear (MD)	ASTM D5587	6.4 lb_f
Tear Resistance - Trap Tear (CD)	ASTM D5587	5 lb_f
Breaking Strength - Grab (MD)	ASTM D5034	39 lb_f
Breaking Strength - Grab (CD)	ASTM D5034	43 lb_f
Wearing Apparel Flammability	16 CFR 1610	Class 1

Seams and closures have less barrier than fabric. Note: for protection from hazardous or infectious liquids, additional barrier tests are required to establish suitability for use. CAUTION: 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 obligation 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 the 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 may provide less barrier than the fabric. If the 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 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. Data presented does not comprise a product specification.*

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

Silicone Statement: *In the past, DuPont has found that threads and zippers can be the most significant source of silicone oil contamination in garments. DuPont specifies that thread and zippers used in DuPont™ Tyvek® IsoClean® and ProClean® garments be manufactured without the use of silicone oils. For end uses with concerns about contamination with silicone oils or any other contaminants, the best practice is to audit inbound materials, including garments, for those contaminants.*

Latex Statement: *As of January 1, 2006, DuPont production specifications exclude use of components containing natural rubber latex in the manufacture of DuPont™ Tyvek® IsoClean® and ProClean® garments. Anyone who begins to exhibit allergic response during the use of DuPont products should immediately cease using these products. The incident should also be reported to DuPont at 1.800.441.3637.*

Measurements are approximate values intended to assist in proper size selection. Normal variability may result in slight differences in actual garment sizes.

DuPont™ Tychem® 2000

Original name: Tychem® QC

Coverall

QC120SYLXX001200

Serged seams
Collar
Zipper closure
Storm flap
MD–7X

Coverall

QC120BYLXX001200

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

Coverall

QC122BYLXX001200
Bound seams

QC122BYLXX0012BN
Bound seams

BERRY AMENDMENT COMPLIANT

QC122TYLXX000400
Taped seams

Attached hood
Zipper closure
Storm flap with tape closure
Elastic wrists
Attached socks[1]
MD–6X

Coverall

QC122SYLXX001200

Serged seams
Attached hood
Zipper closure
Storm flap
Elastic wrists
Attached socks[1]
MD–8X

Coverall

QC125BYLXX001200
Bound seams, MD–6X

QC125TYLXX000400
Taped seams, MD–5X

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

Coverall

QC125SYLXX001200

Serged seams
Collar
Zipper closure
Storm flap
Elastic wrists
Elastic ankles
MD–7X

Coverall

QC127BYLXX001200
Bound seams

QC127TYLXX000400
Taped seams

Attached hood
Zipper closure
Storm flap
Elastic wrists
Elastic ankles
MD–6X

Coverall

QC127SYLXX001200

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

Light liquid splash protection

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

Flexible, durable and lightweight

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

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

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

Tychem® 2000 is yellow for high visibility

Only BN option codes are Berry Amendment compliant.

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

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

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

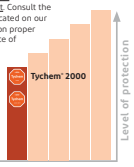
Seams and closures have less barrier than fabric.

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

Note: Not all sizes available in all styles.

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

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



DuPont™ Tychem® 2000

Original name: Tychem® QC

Apron

QC273BYLXX010000

Bound neck & ties
Bib style
36" long
One size fits most

Apron

QC275BYLXX002500

Bound seams
Raw edge neck with snaps
Attached long sleeves
Waist ties
Elastic wrists
44" long
SM–6X

Apron

QC275BYLXX0025HL
Bound seams, SM–6X

QC275TYLXX0025HL
Taped seams, SM–5X

Hook-and-loop neck closure
Attached long sleeves
Waist ties
Elastic wrists
44" long

Apron

QC278BYLXX001200

Bound seams
Attached long sleeves
Bound yoke neck without snaps
Waist ties
Elastic wrists
52" long
One size fits most

Sleeve

QC500BYLXX020000

Bound seams
Elastic openings
18" length
One size fits most

QC127

Only BN option codes are Berry Amendment compliant.

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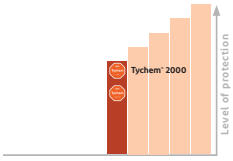


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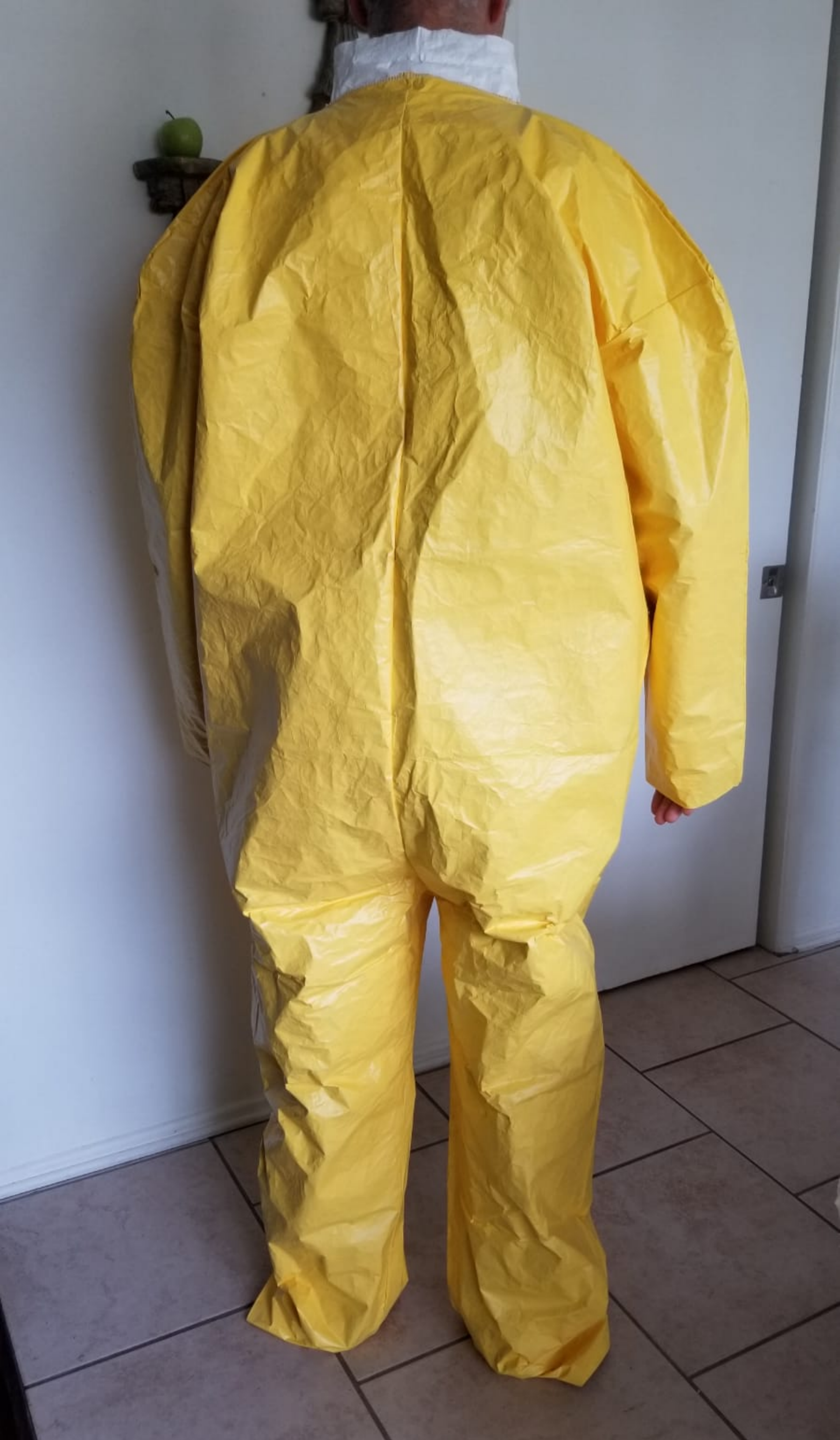
Tychem
QC



DuPont™

Tychem® QC

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Tychem Tyvek ProShield Tychem Tyvek ProShield Tychem

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