


Oil & Gas



Personal protective solutions for oil & gas industry applications



A photograph of a man and a young girl hugging. The man is on the right, wearing a blue and white plaid shirt, and the girl is on the left, wearing a white long-sleeved shirt. They are both smiling and looking towards each other. The background is a soft, out-of-focus indoor setting.

Because everyone has someone depending on them to get home safely

DuPont is more focused than ever on providing innovative protection solutions and expert technical support tailored to meet the specific needs of workers in the oil & gas industry around the world.

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

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

Our brands

Nomex®

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

Kevlar®

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

Tyvek®

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

Tychem®

DuPont™ Tychem® garments deliver durable protection and offer strong permeation barrier against a wide range of chemicals. Together with Tychem® gloves and tape, they create the Tychem® Trusted Chemical System™ for complete protection.

*For high arc-rated solutions, visit dpp.dupont.com for available Nomex® layering systems.

Are your workers really protected?

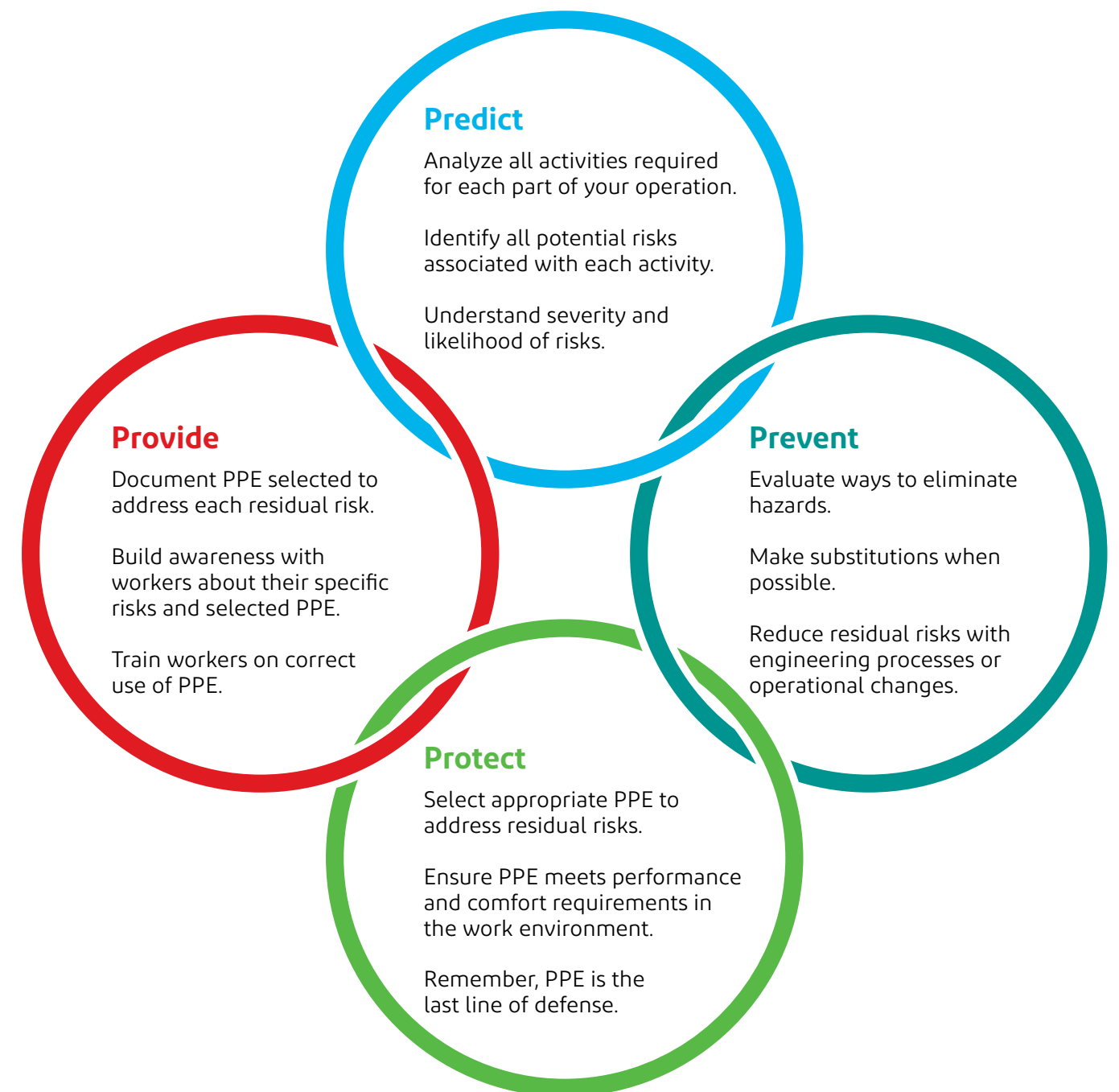


Workers in the oil & gas industry face many on-the-job hazards, including flash fire; slick, oily surfaces; sharp edges; punctures; heat contact; uncontrolled pressure release; and exposure to hazardous chemicals, dust and solvents—to name just a few.

Providing workers with the protection they need for the hazards they face is a major responsibility. DuPont Personal Protection has the in-depth knowledge, unparalleled expertise and broad portfolio of PPE solutions to help keep your workers safe.

DuPont PPE solutions are designed to meet or exceed global standards for protection and performance, including National Fire Protection Association (NFPA), ASTM International, Canadian General Standards Board (CGSB), American National Standards Institute (ANSI), International Organization for Standardization (ISO) and China GB National Standards.

To help you in the decision-making process, from risk assessment through implementation, we recommend using the 4P methodology:



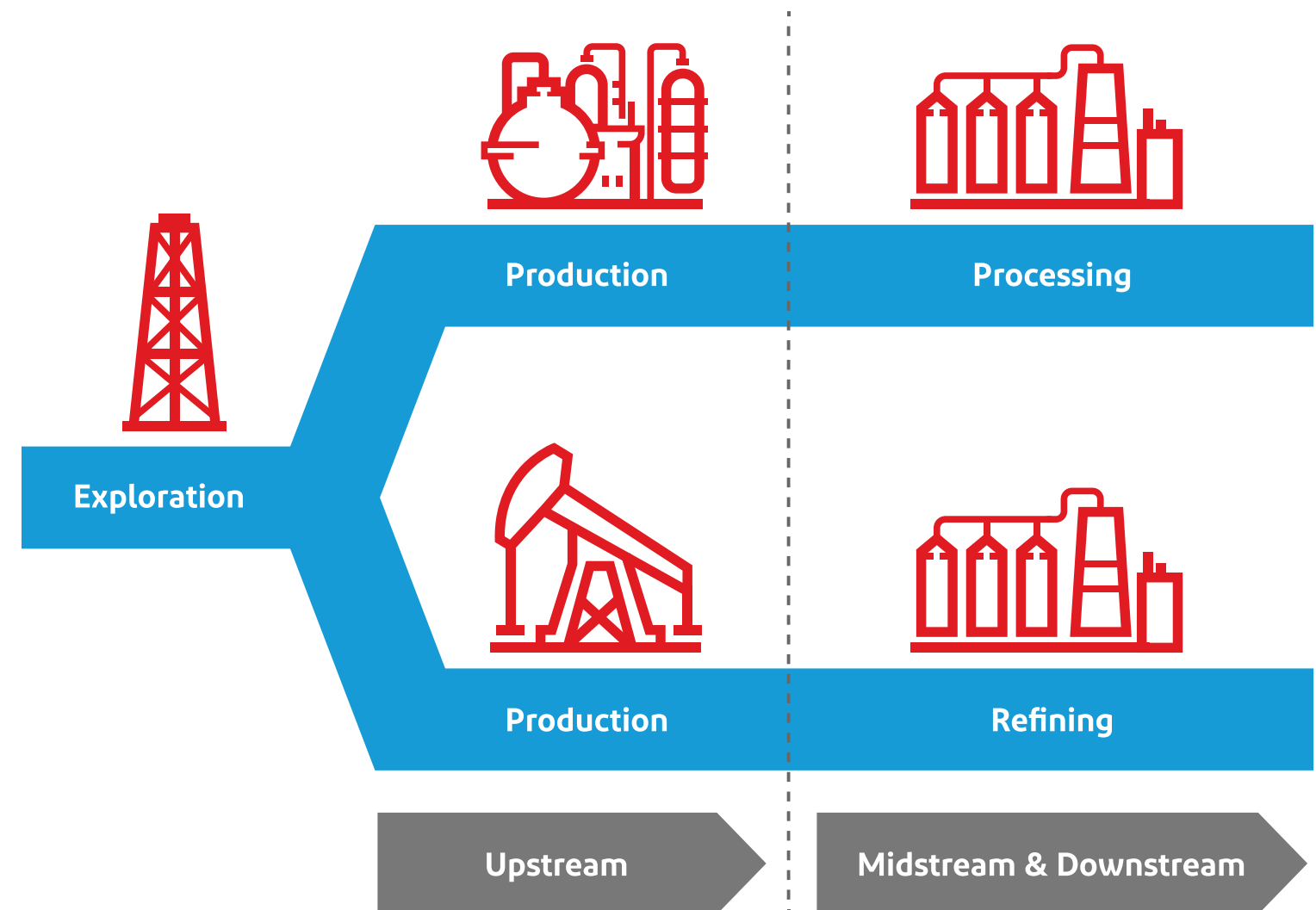
Drilling, producing and refining oil & gas involves high-risk tasks in extreme conditions

To remain competitive, oil & gas companies are embracing new technology and focusing on improving productivity and efficiency from oil rigs to petrochemical refineries.

Workers in the oil & gas industry perform many high-risk tasks that involve potential flash fires, mechanical hazards and exposure to a wide range of hazardous chemicals. In some cases, these high-risk tasks are performed under extreme weather conditions and in remote locations.

As a result, workers in the oil & gas industry face multiple workplace hazards in a very dynamic work environment and health, safety and environment (HSE) managers have many tasks to balance.

DuPont offers a broad range of PPE solutions to address these hazards, including: Nomex® garments for flash fire hazards; Tyvek® garments for protection against fine particle hazards and low level liquid splashes; Tychem® garments, gloves and tape for protection against concentrated chemicals; and gloves made with Kevlar® for cut and multi-hazard protection. DuPont experts are also available to work side by side with the HSE manager to help simplify the process of properly matching PPE to the hazards your workers face.





Protection for every task

DuPont products and PPE solutions are identified by our licensees' branded names.



Upstream

Tasks

Confined space entry

Entering tanks, vessels or pits that may contain hazardous atmospheres to perform work

Hazards

Flash fire

Hazardous chemicals (liquids or solids)

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit [SafeSPEC™](#).



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements of NFPA 70E®

Chemical-resistant (CR) gloves*



Tychem® PV350

Extremely durable, these 55-mil polyvinyl chloride (PVC) gloves provide protection against chemicals, oils and greases. The cotton/jersey knit lining adds comfort and flexibility while the textured grip makes it easier to grasp wet objects.

Cat. III



2777

EN 388:2016



3111X

EN ISO 374-1:2016 Type B



AKLMP

EN ISO 374-5:2016





Upstream

Tasks

Confined space entry

Entering tanks, vessels or pits that may contain hazardous atmospheres to perform work

Hazards

Flash fire

Hazardous chemicals (liquids or solids)

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape’s elasticity enables tight adhesion to help prevent leaks.

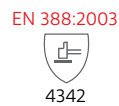
**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



For a full list of PPE solutions, visit SafeSPEC™.



Upstream

Tasks

Drilling

Boring into the earth to access either oil or gas reservoirs

Hazards

Mechanical hazards

Blowout or explosion

Flash fire

Caustic chemicals

Hydrogen sulfide or other asphyxiants

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men’s and women’s styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential Arc

Nomex® Essential Arc is engineered to provide >8 cal/cm² arc thermal performance value (ATPV) protection combined with enhanced durability against abrasion. Nomex® is resistant to many chemicals and oil stains are washed out easier than with standard cotton garments.



NOTE: Certifications listed here are for Nomex® Essential Arc fabric; consult with garment manufacturer for garment certifications.



FR face mask made with Nomex®

Made with Nomex® Comfort fabric, this FR face mask from PGI Safety may help meet guidance from the U.S. Centers for Disease Control and Prevention (CDC) for wearing masks in environments that require FR protection while social distancing. This FR face mask offers exceptional breathability and durability with inherent, built-in flame resistance that cannot be washed out or worn away.

**FR face masks are for use while social distancing and may be used for other tasks identified by a site hazard risk assessment.*

For a full list of PPE solutions, visit SafeSPEC™.



For a full list of PPE solutions, visit SafeSPEC™.





Upstream

Tasks

Drilling

Boring into the earth to access either oil or gas reservoirs

Hazards

Mechanical hazards

Blowout or explosion

Flash fire

Caustic chemicals

Hydrogen sulfide or other asphyxiants

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Chemical-resistant (CR) gloves*



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

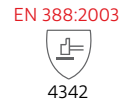
*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Upstream

Tasks

Drilling fluid (mud) management

Creating appropriate mud with additives, pumps, pressurized hoses, mud tank system, moving parts, open fluid-filled pits

Hazards

Dirt/dust

Chemical exposures

Pressurized equipment

Confined spaces

Flash fire

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



ProShield® 6 SFR

Providing a barrier against non-hazardous aerosols and particles, ProShield® 6 SFR is a cost-effective solution designed to help protect and preserve primary protective garments. ProShield® 6 SFR garments are designed to keep primary FR garments clean from things like dirt, dust and grime, while not contributing to burn injury when exposed to a flame source. This coverall should be worn on top of an FR garment, such as a garment made of Nomex® Comfort.

Non-FR/chemical-protective garments



Tyvek® 400

Tyvek® 400 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material. Tyvek® 400 fabric offers an inherent barrier against particles (down to 1.0 micron in size). Protection is built into the fabric itself; there are no films or laminates to abrade or wear away.



Tyvek® 800

Tyvek® 800 garments combine resistance to low-concentration, water-based inorganic chemicals with the strength and durability of Tyvek®. The coveralls provide an effective barrier against many water-based inorganic chemicals in low concentration and particles (down to 1.0 micron in size).



Type 3-B

Type 4-B

Type 5-B

Type 6-B

For a full list of PPE solutions, visit SafeSPEC™.



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Upstream

Tasks

Drilling fluid (mud) management

Creating appropriate mud with additives, pumps, pressurized hoses, mud tank system, moving parts, open fluid-filled pits

Hazards

Dirt/dust

Chemical exposures

Pressurized equipment

Confined spaces

Flash fire

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® 2000

Tychem® 2000 is a lightweight and durable fabric that uses the strength of Tyvek® fabric and polyethylene coating. Tychem® 2000 offers permeation barrier protection for at least 30 minutes against more than 40 chemical challenges.



Tychem® 4000

Tychem® 4000 provides effective protection against a range of chemical environments, offering at least 30 minutes of protection against more than 120 chemical challenges.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.

Chemical-resistant (CR) gloves*



Tychem® PV350

Extremely durable, these 55-mil PVC gloves provide protection against chemicals, oils and greases. The cotton/jersey knit lining adds comfort and flexibility while the textured grip makes it easier to grasp wet objects.



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



Upstream

Tasks

Drilling fluid (mud) management

Creating appropriate mud with additives, pumps, pressurized hoses, mud tank system, moving parts, open fluid-filled pits

Hazards

Dirt/dust

Chemical exposures

Pressurized equipment

Confined spaces

Flash fire

Cut hazards requiring cut level A3 protection

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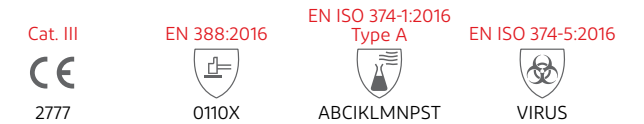
Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a "second-skin" feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.





Upstream

Tasks

Electrical work

Performing electrical work

Hazards

Arc flash

Hazards requiring gloves made with Kevlar® that are arc rated 2 up to 4

Chemical exposures

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Evolv™ built with Nomex®

This lightweight Nomex® blended fabric is CAT 2 arc-rated/flame-resistant (AR/FR) and NFPA 2112 compliant, providing workers with comfortable protection. Garments are available in men's and women's styles and sizes.



Nomex® Essential Arc High-Arc Suit

These multi-layer garments built with Nomex® are used for protection against high incident energy hazard levels and meet U.S. Occupational Safety and Health Administration (OSHA) 1910.269 and NFPA 70E® standards.

NOTE: For additional high-arc rated solutions, consult *Use of layered solutions to address COVID-19 contamination concerns with high-arc suits* to see currently available Nomex® layering systems.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements of NFPA 70E®



Upstream

Tasks

Electrical work

Performing electrical work

Hazards

Arc flash

Hazards requiring gloves made with Kevlar® that are arc rated 2 up to 4

Chemical exposures

For a full list of PPE solutions, visit SafeSPEC™.



Cut-resistant gloves



Youngstown FR Ground Glove 12-3365-60

Cut and sewn glove, tan goatskin leather. Dual-layer leather in palm/fingertips/knuckles. Kevlar® liner. Gauntlet cuff. Certified to NFPA 70E® 2015 and OSHA 29 CFR Part 1926.



Arc rating



Superior Glove® Dexterity® S18KGNE

Made with Kevlar® fiber, Dexterity® 18-gauge FR arc flash gloves provide 8.2 cal/cm² ATPV protection. Featuring great FR properties and good resistance to oil, these gloves have a neoprene palm coating that enables excellent grip—both wet and dry. Electrostatic dissipating (ESD) carbon filament imparts antistatic properties.



Abrasion



Cut



Arc rating



SHOWA 240

Lightweight and comfortable, these 13-gauge Kevlar® lined gloves have a sponge neoprene palm coating. Flame resistant Kevlar® enables protection against arc flash up to a level 2, according to open arc/box tests. Flat dipped sponge neoprene coating provides enhanced grip and the anatomical design helps prevent hand fatigue.

Cat. II



EN 388:2016



EN 388:2003



EN 407:2004





Upstream

Tasks

Fracking

Inject proppant (sand) into fractures in formation to facilitate flow of oil or gas into well

Hazards

Flash fire

Dirt/dust

Chemical exposures

Mechanical hazards

Traffic (low visibility)

Cut hazards requiring cut level A2 or A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC™

Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



ProShield® 6 SFR

Providing a barrier against non-hazardous aerosols and particles, ProShield® 6 SFR is a cost-effective solution designed to help protect and preserve primary protective garments. ProShield® 6 SFR garments are designed to keep primary FR garments clean from things like dirt, dust and grime, while not contributing to additional burn injury when exposed to a flame source. This coverall should be worn on top of an FR garment, such as a garment made of Nomex® Comfort.



FR face mask made with Nomex®

Made with Nomex® Comfort fabric, this FR face mask from PGI Safety may help meet guidance from the U.S. CDC for wearing masks in environments that require FR protection while social distancing. This FR face mask offers exceptional breathability and durability with inherent, built-in flame resistance that cannot be washed out or worn away.

***FR face masks are for use while social distancing and may be used for other tasks identified by a site hazard risk assessment.**

Non-FR/chemical-protective garments



Tyvek® 400

Tyvek® 400 garments are composed of flashspun high-density polyethylene, which creates a unique, nonwoven material. Tyvek® 400 fabric offers an inherent barrier against particles (down to 1.0 micron in size). Protection is built into the fabric itself; there are no films or laminates to abrade or wear away.



Tyvek® 800

Tyvek® 800 garments combine resistance to low-concentration, water-based inorganic chemicals with the strength and durability of Tyvek®. The coveralls provide an effective barrier against many water-based inorganic chemicals in low concentration and particles (down to 1.0 micron in size).



Type 3-B



Type 4-B



Type 5-B



Type 6-B



Upstream

Tasks

Fracking

Inject proppant (sand) into fractures in formation to facilitate flow of oil or gas into well

Hazards

Flash fire

Dirt/dust

Chemical exposures

Mechanical hazards

Traffic (low visibility)

Cut hazards requiring cut level A2 or A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC™



Tychem® 2000

Tychem® 2000 is a lightweight and durable fabric that uses the strength of Tyvek® fabric and polyethylene coating. Tychem® 2000 offers permeation barrier protection for at least 30 minutes against more than 40 chemical challenges.



Tychem® 4000

Tychem® 4000 provides effective protection against a range of chemical environments, offering at least 30 minutes of protection against more than 120 chemical challenges.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.

High-visibility garments



Tyvek® 400 HV

Tyvek® 400 HV coveralls combine proven chemical and biological protection with high-visibility functionality in a comfortable design.

Chemical-resistant (CR) gloves*



Tychem® PV350

Extremely durable, these 55-mil PVC gloves provide protection against chemicals, oils and greases. The cotton/jersey knit lining adds comfort and flexibility while the textured grip makes it easier to grasp wet objects.

Cat. III



2777

EN 388:2016



3111X

EN ISO 374-1:2016 Type B



AKLMP

EN ISO 374-5:2016



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.

Cat. III



2777

EN 388:2016



2001X

EN ISO 374-1:2016 Type A



JKLOPT

EN ISO 374-5:2016



VIRUS



Upstream

Tasks

Fracking

Inject proppant (sand) into fractures in formation to facilitate flow of oil or gas into well

Hazards

Flash fire

Dirt/dust

Chemical exposures

Mechanical hazards

Traffic (low visibility)

Cut hazards requiring cut level A2 or A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape’s elasticity enables tight adhesion to help prevent leaks.

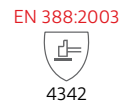
**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



SHOWA 4561

Excellent multi-hazard, 15-gauge glove providing high levels of cut resistance and heat resistance while maintaining comfort, dexterity and tactility. Extremely lightweight, these gloves are lined with Kevlar® and feature a sponge nitrile palm coating that provides excellent grip in oily conditions.



Upstream

Tasks

Cleaning

Pigging

Hydroblasting

Pressure washing

Sand blasting

Hazards

Pressurized liquids

Liquids or gases

Abrasives

Cut hazards requiring cut level A2 or A3 protection

High temperatures

Mechanical hazards

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

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NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



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Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

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Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements of NFPA 70E®

Non-FR/chemical-protective garments



Tyvek® 800

Tyvek® 800 garments combine resistance to low-concentration, water-based inorganic chemicals with the strength and durability of Tyvek®. The coveralls provide an effective barrier against many water-based inorganic chemicals in low concentration and particles (down to 1.0 micron in size).



Type 3-B

Type 4-B

Type 5-B

Type 6-B





Upstream

Tasks

Cleaning

Pigging

Hydroblasting

Pressure washing

Sand blasting

Hazards

Pressurized liquids

Liquids or gases

Abrasives

Cut hazards requiring cut level A2 or A3 protection

High temperatures

Mechanical hazards

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® 2000

Tychem® 2000 is a lightweight and durable fabric that uses the strength of Tyvek® fabric and polyethylene coating. Tychem® 2000 offers permeation barrier protection for at least 30 minutes against more than 40 chemical challenges.

Chemical-resistant (CR) gloves*



Tychem® NP570 CT

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Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

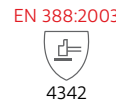
**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Superior Glove® Endura® 378GOBKL

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a seamless-knit Kevlar® lining. These driver-style gloves are exceptionally tough and abrasion resistant. They provide 41 cal/cm² ATPV protection.



Superior Glove® Endura® 378GKGVB

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a Kevlar® lining, impact-resistant back-of-hand protection and a padded palm. These driver-style gloves provide excellent cut protection, outstanding abrasion resistance and 36 cal/cm² ATPV protection.



Upstream

Tasks

Well/pipeline operations

Inspections

Operate valves

Draining

Venting

Hazards

Chemical exposures

Flash fire

Ergonomic issues

Cut hazards requiring cut level A2, A3 or A4 protection

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



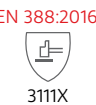
Requirements of NFPA 70E*

Chemical-resistant (CR) gloves*



Tychem® PV350

Extremely durable, these 55-mil PVC gloves provide protection against chemicals, oils and greases. The cotton/jersey knit lining adds comfort and flexibility while the textured grip makes it easier to grasp wet objects.



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.





Upstream

Tasks

Well/pipeline operations

Inspections

Operate valves

Draining

Venting

Hazards

Chemical exposures

Flash fire

Ergonomic issues

Cut hazards requiring cut level A2, A3 or A4 protection

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape’s elasticity enables tight adhesion to help prevent leaks.

**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*

Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Superior Glove® Endura® 378GOBKL

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a seamless-knit Kevlar® lining. These driver-style gloves are exceptionally tough and abrasion resistant. They provide 41 cal/cm² ATPV protection.



Youngstown FR Ground Glove 12-3365-60

Cut and sewn glove, tan goatskin leather. Dual-layer leather in palm/fingertips/knuckles. Kevlar® liner. Gauntlet cuff. Certified to NFPA 70E® 2015 and OSHA 29 CFR Part 1926.



Upstream

Tasks

Offshore drilling and production

All land-based tasks associated with drilling but performed in an open water environment

Hazards

Flash fire

Blowout

Cut hazards requiring cut level A3, A4 or A5 protection

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men’s and women’s styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant (CR) gloves*



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



**Tychem® gloves should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape’s elasticity enables tight adhesion to help prevent leaks.

**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*



Upstream

Tasks

Offshore drilling and production

All land-based tasks associated with drilling but performed in an open water environment

Hazards

Flash fire

Blowout

Cut hazards requiring cut level A3, A4 or A5 protection

For a full list of PPE solutions, visit SafeSPEC™.

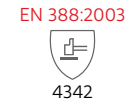


Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Superior Glove® Endura® 378GOBKL

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a seamless-knit Kevlar® lining. These driver-style gloves are exceptionally tough and abrasion resistant. They provide 41 cal/cm² ATPV protection.



Superior Glove® Endura® 378GKGVB

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a Kevlar® lining, impact-resistant back-of-hand protection and a padded palm. These driver-style gloves provide excellent cut protection, outstanding abrasion resistance and 36 cal/cm² ATPV protection.



Upstream

Tasks

Emergency response—fire or blowout, spill or release

Stop fuel source and extinguish fire

Stop liquid or gas release and clean up or neutralize

Hazards

Thermal burns

Chemical exposures

Flash fire

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Hoods made with Nomex® Nano Flex

Thin, lightweight and durable, hoods made with Nomex® Nano Flex prevent potentially harmful particulates from being absorbed through the skin on the neckline and upper jaw, which are areas that historically are known to be the most vulnerable and least protected. When added to a firefighter hood composite structure, hoods made with Nomex® Nano Flex result in up to a 4X increase in particle barrier efficiency.

This game-changing barrier protection is achieved without compromising thermal resistance, breathability, comfort or situational awareness.

DuPont is proud to partner with these manufacturers of hoods made with Nomex® Nano Flex:

| | |
|----------|----------|
| Fire-Dex | Veridian |
| PGI | Viking |



Turnout gear made with Nomex®, Nomex® Nano and Kevlar®

Nomex®, Nomex® Nano and Kevlar® fibers can be found in each layer of most firefighter turnout gear. Together, these innovative fibers help provide proven protection, durability and comfort from the inside out.

Nomex®, Nomex® Nano and Kevlar® fibers help manufacturers create fire-resistant liners, outer shells and accessories that not only stand up to the thermal hazards that firefighters may face, but also help them to get the job done without getting in the way of mobility.

DuPont is proud to partner with these manufacturers of turnout gear made with Nomex®, Nomex® Nano and Kevlar®:

| | | |
|-----------|----------|---------------|
| Fire-Dex | Innotex | Quaker Safety |
| Globe | Lakeland | Veridian |
| Honeywell | Lion | |

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 10000 FR

“Single skin” fully encapsulated Level A garment offers broad chemical holdout. This garment provides 30 minutes of protection against more than 290 chemicals. Tychem® 10000 FR is certified to NFPA 1991 with chemical flash fire protection option and liquefied gas protection option requirements of NFPA 1991.



For a full list of PPE solutions, visit SafeSPEC™.





Upstream

Tasks

Emergency response—fire or blowout, spill or release

Stop fuel source and extinguish fire

Stop liquid or gas release and clean up or neutralize

Hazards

Thermal burns

Chemical exposures

Flash fire

For a full list of PPE solutions, visit SafeSPEC™.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.

Chemical-resistant (CR) gloves*



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



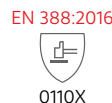
Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a "second-skin" feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.



Midstream/ Downstream

Tasks

Laboratory

Perform analytical testing on all types of refinery inputs, outputs and intermediate streams

Hazards

Chemical exposures

Ergonomic issues

Thermal hazards

Cut hazards

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® FR/CP lab coat

Made of innovative Westex® ShieldCXP™ fabric with Nomex® Essential fibers, this lightweight, breathable flame-resistant/chemical-protective (FR/CP) lab coat helps provide protection against multiple hazards and is comfortable to wear. It won't ignite during short-duration thermal incidents or emergency exposure to flame and repels small amounts of liquid chemicals. This innovative lab coat offers 5.6 cal/cm² ATPV protection.

NOTE: Please consult with fabric and garment manufacturers for certifications.



FR face mask made with Nomex®

Made with Nomex® Comfort fabric, this FR face mask from PGI Safety may help meet guidance from the U.S. CDC for wearing masks in environments that require FR protection while social distancing. This FR face mask offers exceptional breathability and durability with inherent, built-in flame resistance that cannot be washed out or worn away.

*FR face masks are for use while social distancing and may be used for other tasks identified by a site hazard risk assessment.

Non-FR/chemical-protective garments



Tychem® 2000

Tychem® 2000 is a lightweight and durable fabric that uses the strength of Tyvek® fabric and polyethylene coating. Tychem® 2000 offers permeation barrier protection for at least 30 minutes against more than 40 chemical challenges.



Tychem® 4000

Tychem® 4000 provides effective protection against a range of chemical environments, offering at least 30 minutes of protection against more than 120 chemical challenges.



Midstream/ Downstream

Tasks

Laboratory

Perform analytical testing on all types of refinery inputs, outputs and intermediate streams

Hazards

Chemical exposures

Ergonomic issues

Thermal hazards

Cut hazards



Tychem® 5000

Tychem® 5000 fabric is a multi-layer film barrier laminated to a durable polypropylene substrate. It is strong and durable for rigorous activities and provides an effective barrier to a broad range of chemicals. The knee-length apron with attached sleeves provides enhanced frontal protection and features ties at the waist.

Chemical-resistant (CR) gloves*



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a "second-skin" feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC™



Midstream/ Downstream

Tasks

Loading/unloading rail cars or trucks

Attach loading/unloading hoses

Monitor and transfer materials

Hazards

Flash fire

Chemical exposures

Thermal hazards

Cut hazards requiring cut level A2 and thermal level 4 protection

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC™

Available PPE options

Flame-resistant (FR) garments



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Chemical-resistant (CR) gloves*



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.





Midstream/ Downstream

Tasks

Loading/unloading rail cars
or trucks

Attach loading/unloading hoses

Monitor and transfer materials

Hazards

Flash fire

Chemical exposures

Thermal hazards

Cut hazards requiring
cut level A2 and thermal
level 4 protection

For a full list of PPE solutions,
visit SafeSPEC™.



DuPont - SafeSPEC™



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

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**Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.*

Cut-resistant gloves



Ironclad Heatworx® Heavy Duty HW6X

These heavy-duty gloves have a full Kevlar® shell for extra heat protection and improved cut resistance combined with a Kovenex® palm liner and silicone-laminated Kevlar® blend finger sidewalls for extreme heat protection in critical areas.



Superior Glove® Dexterity® SKG/PXNE

Made with a blend of Kevlar® and Protex® yarns, these winter-lined arc flash gloves provide excellent heat and cut resistance. Neoprene palm coating features great FR properties and good oil resistance. These gloves provide 25 cal/cm² ATPV protection.



Midstream/ Downstream

Tasks

Operations—sampling

Collecting process and
other samples

Hazards

Flash fire

Chemical exposures

Ergonomic issues

For a full list of PPE solutions,
visit SafeSPEC™.



DuPont - SafeSPEC™

Available PPE options

Flame-resistant (FR) garments



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men’s and women’s styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



FR face mask made with Nomex®

Made with Nomex® Comfort fabric, this FR face mask from PGI Safety may help meet guidance from the U.S. CDC for wearing masks in environments that require FR protection while social distancing. This FR face mask offers exceptional breathability and durability with inherent, built-in flame resistance that cannot be washed out or worn away.

**FR face masks are for use while social distancing and may be used for other tasks identified by a site hazard risk assessment.*

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won’t ignite if a flash fire occurs and won’t contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.





Midstream/ Downstream

Tasks

Operations—sampling

Collecting process and other samples

Hazards

Flash fire

Chemical exposures

Ergonomic issues

For a full list of PPE solutions, visit SafeSPEC™.



Chemical-resistant (CR) gloves*



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



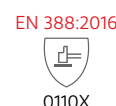
Tychem® NP570 CT

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Midstream/ Downstream

Tasks

Cleaning

Pigging

Hydroblasting

Pressure washing

Sand blasting

Hazards

Pressurized liquids

Liquids or gases

Abrasives

Cut hazards requiring cut level A2 or A3 protection

High temperatures

Mechanical hazards

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men’s and women’s styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won’t ignite if a flash fire occurs and won’t contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements of NFPA 70E*

Non-FR/chemical-protective garments



Tyvek® 800

Tyvek® 800 garments combine resistance to low-concentration, water-based inorganic chemicals with the strength and durability of Tyvek®. The coveralls provide an effective barrier against many water-based inorganic chemicals in low concentration and particles (down to 1.0 micron in size).



Type 3-B

Type 4-B

Type 5-B

Type 6-B



Midstream/ Downstream

Tasks

Cleaning

Pigging

Hydroblasting

Pressure washing

Sand blasting

Hazards

Pressurized liquids

Liquids or gases

Abrasives

Cut hazards requiring cut level A2 or A3 protection

High temperatures

Mechanical hazards

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC



Tychem® 2000

Tychem® 2000 is a lightweight and durable fabric that uses the strength of Tyvek® fabric and polyethylene coating. Tychem® 2000 offers permeation barrier protection for at least 30 minutes against more than 40 chemical challenges.

Chemical-resistant (CR) gloves*



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



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Cut-resistant gloves



SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Superior Glove® Endura® 378GOBKL

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a seamless-knit Kevlar® lining. These driver-style gloves are exceptionally tough and abrasion resistant. They provide 41 cal/cm² ATPV protection.



Superior Glove® Endura® 378GKGVB

Made of goat grain leather treated with Oilbloc™ for oil and water repellency, these Endura® gloves feature a Kevlar® lining, impact-resistant back-of-hand protection and a padded palm. These driver-style gloves provide excellent cut protection, outstanding abrasion resistance and 36 cal/cm² ATPV protection.



Midstream/ Downstream

Tasks

Confined space entry

Entering tanks, vessels or pits that may contain hazardous atmospheres to perform work

Hazards

Hazardous atmospheres

Flash fire

Hazardous chemicals (liquids or solids)

Cut hazards requiring cut level A3 protection

For a full list of PPE solutions, visit SafeSPEC™.



DuPont - SafeSPEC

Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Chemical-resistant (CR) gloves*



Tychem® PV350

Extremely durable, these 55-mil PVC gloves provide protection against chemicals, oils and greases. The cotton/jersey knit lining adds comfort and flexibility while the textured grip makes it easier to grasp wet objects.





Midstream/ Downstream

Tasks

Confined space entry

Entering tanks, vessels or pits that may contain hazardous atmospheres to perform work

Hazards

Hazardous atmospheres

Flash fire

Hazardous chemicals (liquids or solids)

Cut hazards requiring cut level A3 protection



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



Cat. III
2777



EN 388:2016
2001X



EN ISO 374-1:2016
Type A
JKLOPT



EN ISO 374-5:2016
VIRUS



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Cat. III
2777



EN 388:2016
3X43E



EN ISO 374-1:2016
Type A
AJKLMT



EN ISO 374-5:2016



ANSI
A5
Cut



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Cat. III
2777



EN 388:2016
0110X



EN ISO 374-1:2016
Type A
ABCIKLMNPST



EN ISO 374-5:2016
VIRUS



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape’s elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.

Cut-resistant gloves

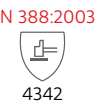


SHOWA KV660

Made with Kevlar® fiber and coated with PVC, SHOWA KV660 gloves offer cut level A3 protection and are resistant to oil and hydrocarbons. The rough finish provides tactile feel and a better grip. Impermeable for working in damp or greasy environments.



Cat. III



EN 388:2003
4342



EN 374-2:2003



EN 374:2003



ANSI
A3
Cut

For a full list of PPE solutions, visit SafeSPEC™.



Midstream/ Downstream

Tasks

Insulation work—asbestos or non-asbestos

Handle thermal system insulation, metal bands and jacketing

Hazards

Sharp edges

Hazardous particles

Cut hazards requiring cut level A6 or A7 protection

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



ASTM
F1506



NFPA
2112



CGSB
155.20

NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men’s and women’s styles and sizes.



ASTM
F1506



NFPA
2112



CGSB
155.20

NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won’t ignite if a flash fire occurs and won’t contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



NFPA
1992



NFPA
2112



HRC
2

Requirements of NFPA 70E*



Midstream/ Downstream

Tasks

Insulation work—*asbestos*
or *non-asbestos*

Handle thermal system insulation,
metal bands and jacketing

Hazards

Sharp edges

Hazardous particles

Cut hazards requiring
cut level A6 or A7 protection

For a full list of PPE solutions,
visit [SafeSPEC™](#).



Cut-resistant gloves



Ansell HyFlex® 11-542

These lightweight Ansell HyFlex® gloves provide high levels of protection against lacerations and are comfortable to wear. Exclusive dirt masking design and high abrasion resistance make these gloves ideal for long-term use.



PIP G-Tek® KEV™ 09-K1600

The seamless knit construction of these PIP G-Tek® KEV™ gloves provides comfort without sacrificing dexterity. The Kevlar® fiber shell provides high tensile strength, excellent cut resistance and it won't melt, ignite or conduct electricity. The nitrile foam grip is compatible with light oils and provides excellent abrasion resistance.



Cut-resistant sleeves



MCR Safety Cut Pro® 9318K7T

This Cut Pro® sleeve with Hero™ Technology offers high levels of protection and comfort for workers in tough environments. Made with blended Kevlar®, stainless steel and nylon fibers, this 18-inch sleeve with thumb slot provides excellent cut and abrasion resistance.



PIP Kut Gard® 10-KVSYBH

This Kut Gard® single-ply Kevlar® armor blended sleeve protects arms without sacrificing comfort or dexterity. Kevlar® provides excellent cut protection, heat resistance and inherent flame resistance.



Midstream/ Downstream

Tasks

Line breaking/vessel opening

Shut down process

Determine hazards

Lockout/tagout (LOTO)

Monitor hazardous atmospheres

Perform work

Hazards

Chemical exposures

Flash fire

Pressurized systems

Cut hazards requiring
cut level A2 or A3 protection

For a full list of PPE solutions,
visit [SafeSPEC™](#).



Available PPE options

Flame-resistant (FR) garments



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements
of NFPA 70E*



Midstream/ Downstream

Tasks

Line breaking/vessel opening

Shut down process

Determine hazards

Lockout/tagout (LOTO)

Monitor hazardous atmospheres

Perform work

Hazards

Chemical exposures

Flash fire

Pressurized systems

Cut hazards requiring
cut level A2 or A3 protection

For a full list of PPE solutions,
visit SafeSPEC™.



DuPont - SafeSPEC

Chemical-resistant (CR) gloves*



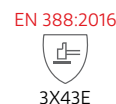
Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



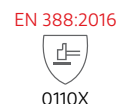
Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a “second-skin” feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.

Cut-resistant gloves



Superior Glove® Endura® 378GKGVBE

These goat skin Endura® gloves provide excellent cut resistance thanks to the blended Kevlar®/composite filament fiber lining. Featuring impact-resistant back-of-hand protection and a vibration-dampening padded palm, these gloves provide protection without impeding flexibility or dexterity.



Midstream/ Downstream

Tasks

Maintenance—electrical work

Performing electrical work

Hazards

Arc flash

Hazards requiring gloves
made with Kevlar® that
are arc rated 2 up to 4

Chemical exposures

For a full list of PPE solutions,
visit SafeSPEC™.



DuPont - SafeSPEC

Available PPE options

Flame-resistant (FR) garments



Nomex® Essential Arc

Nomex® Essential Arc is engineered to provide >8 cal/cm² ATPV protection combined with enhanced durability against abrasion. Nomex® is resistant to many chemicals and oil stains are washed out easier than with standard cotton garments.



NOTE: Certifications listed here are for Nomex® Essential Arc fabric; consult with garment manufacturer for garment certifications.



Evolv™ built with Nomex®

This lightweight Nomex® blended fabric is CAT 2 AR/FR and NFPA 2112 compliant, providing workers with comfortable protection. Garments are available in men's and women's styles and sizes.



Nomex® Essential Arc High-Arc Suit

These multi-layer garments built with Nomex® are used for protection against high incident energy hazard levels and meet U.S. OSHA 1910.269 and NFPA 70E® standards.

NOTE: For additional high-arc rated solutions, consult *Use of layered solutions to address COVID-19 contamination concerns with high-arc suits* to see currently available Nomex® layering systems.

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.

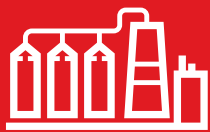


Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements
of NFPA 70E®



Midstream/ Downstream

Tasks

Maintenance—electrical work

Performing electrical work

Hazards

Arc flash

Hazards requiring gloves made with Kevlar® that are arc rated 2 up to 4

Chemical exposures

For a full list of PPE solutions, visit SafeSPEC™.



Cut-resistant gloves



Youngstown FR Ground Glove 12-3365-60

Cut and sewn glove, tan goatskin leather. Dual-layer leather in palm/fingertips/knuckles. Kevlar® liner. Gauntlet cuff. Certified to NFPA 70E® 2015 and OSHA 29 CFR Part 1926.



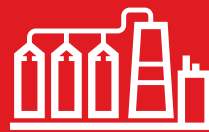
Superior Glove® Dexterity® S18KGNE

Made with Kevlar® fiber, Dexterity® 18-gauge FR arc flash gloves provide 8.2 cal/cm² ATPV protection. Featuring great FR properties and good resistance to oil, these gloves have a neoprene palm coating that enables excellent grip—both wet and dry. ESD carbon filament imparts antistatic properties.



SHOWA 240

Lightweight and comfortable, these 13-gauge Kevlar® lined gloves have a sponge neoprene palm coating. Flame resistant Kevlar® enables protection against arc flash up to a level 2, according to open arc/box tests. Flat dipped sponge neoprene coating provides enhanced grip and the anatomical design helps prevent hand fatigue.



Midstream/ Downstream

Tasks

Emergency response—fire, spill or release

Stop fuel source and extinguish fire

Stop liquid or gas release and clean up or neutralize

Hazards

Thermal burns

Chemical exposures

Flash fire

For a full list of PPE solutions, visit SafeSPEC™.



Available PPE options

Flame-resistant (FR) garments



Nomex® Comfort

Nomex® Comfort is a lightweight, quick-drying innovative fabric that delivers extreme heat and flame protection, maximum comfort and excellent durability. Garments are available in men's and women's styles and sizes.



NOTE: Certifications listed here are for Nomex® Comfort fabric; consult with garment manufacturer for garment certifications.



Nomex® Essential

A highly durable protective solution that helps minimize break-open and provides excellent heat and flame protection.



NOTE: Certifications listed here are for Nomex® Essential fabric; consult with garment manufacturer for garment certifications.



Hoods made with Nomex® Nano Flex

Thin, lightweight and durable, hoods made with Nomex® Nano Flex prevent potentially harmful particulates from being absorbed through the skin on the neckline and upper jaw, which are areas that historically are known to be the most vulnerable and least protected. When added to a firefighter hood composite structure, hoods made with Nomex® Nano Flex result in up to a 4X increase in particle barrier efficiency.

This game-changing barrier protection is achieved without compromising thermal resistance, breathability, comfort or situational awareness.

DuPont is proud to partner with these manufacturers of hoods made with Nomex® Nano Flex:

Fire-Dex Veridian
PGI Viking



Turnout gear made with Nomex®, Nomex® Nano and Kevlar®

Nomex®, Nomex® Nano and Kevlar® fibers can be found in each layer of most firefighter turnout gear. Together, these innovative fibers help provide proven protection, durability and comfort from the inside out.

Nomex®, Nomex® Nano and Kevlar® fibers help manufacturers create fire-resistant liners, outer shells and accessories that not only stand up to the thermal hazards that firefighters may face, but also help them to get the job done without getting in the way of mobility.

DuPont is proud to partner with these manufacturers of turnout gear made with Nomex®, Nomex® Nano and Kevlar®:

Fire-Dex Innotex Quaker Safety
Globe Lakeland Veridian
Honeywell Lion

Chemical-resistant/flame-resistant (CR/FR) garments



Tychem® 10000 FR

“Single skin” fully encapsulated Level A garment offers broad chemical holdout. This garment provides 30 minutes of protection against more than 290 chemicals. Tychem® 10000 FR is certified to NFPA 1991 with chemical flash fire protection option and liquefied gas protection option requirements of NFPA 1991.



For a full list of PPE solutions, visit SafeSPEC™.



For a full list of PPE solutions, visit SafeSPEC™.





Midstream/ Downstream

Tasks

Emergency response—fire, spill or release

Stop fuel source and extinguish fire

Stop liquid or gas release and clean up or neutralize

Hazards

Thermal burns

Chemical exposures

Flash fire



Tychem® 6000 FR

Tychem® 6000 FR styles TP198T and TP199T are single-layer garments that provide triple hazard protection against liquid chemical splash, flash fire and electric arc flash. Tychem® 6000 FR offers at least 30 minutes of protection against more than 180 toxic industrial chemicals and may be used as a primary FR garment.



Requirements of NFPA 70E®



Tychem® 2000 SFR

Tychem® 2000 SFR provides chemical and secondary flame protection in a lightweight garment. Worn over primary FR garments such as Nomex® Comfort, they won't ignite if a flash fire occurs and won't contribute to additional burn injury.

Chemical-resistant (CR) gloves*



Tychem® NT470

These unlined, 15-mil nitrile gloves offer protection against a wide range of solvents, oils, hydrocarbons, greases and other chemicals. Thin and lightweight, Tychem® NT470 gloves are ergonomically designed to maximize comfort. The bisque finish grip makes working in humid environments easier.



Tychem® NP570 CT

These 68-mil neoprene gloves, which feature an engineered yarn liner, provide protection against the dual risk of chemical exposure and cut. Tychem® NP570 CT gloves provide ANSI level A5 and EN level E cut protection, as well as first-class defense against acids, caustics, solvents, greases and oils.



Tychem® BT730

These unlined, 14-mil butyl gloves provide protection against a wide array of chemicals, including acids, ketones and alcohols. Light and thin with a "second-skin" feel, anatomical shape and rough surface, Tychem® BT730 gloves are comfortable and enable optimal grip. Impermeable for working in damp or greasy environments.



Tychem® 2000 Tape

Tychem® 2000 Tape helps hold a sleeve over a glove, a pant leg over a boot or a closure flap closed, while providing protection against a variety of inorganic acids and bases, as well as common industrial cleaning agents, such as bleach. The tape tears easily for quick and convenient application. Repositionable once applied, the tape's elasticity enables tight adhesion to help prevent leaks.

*Tychem® gloves and tape should not be used around heat, open flame, sparks or in potentially flammable environments. For professional use only.



Protection from the rig to the refinery

For a full list of PPE solutions, visit SafeSPEC™.



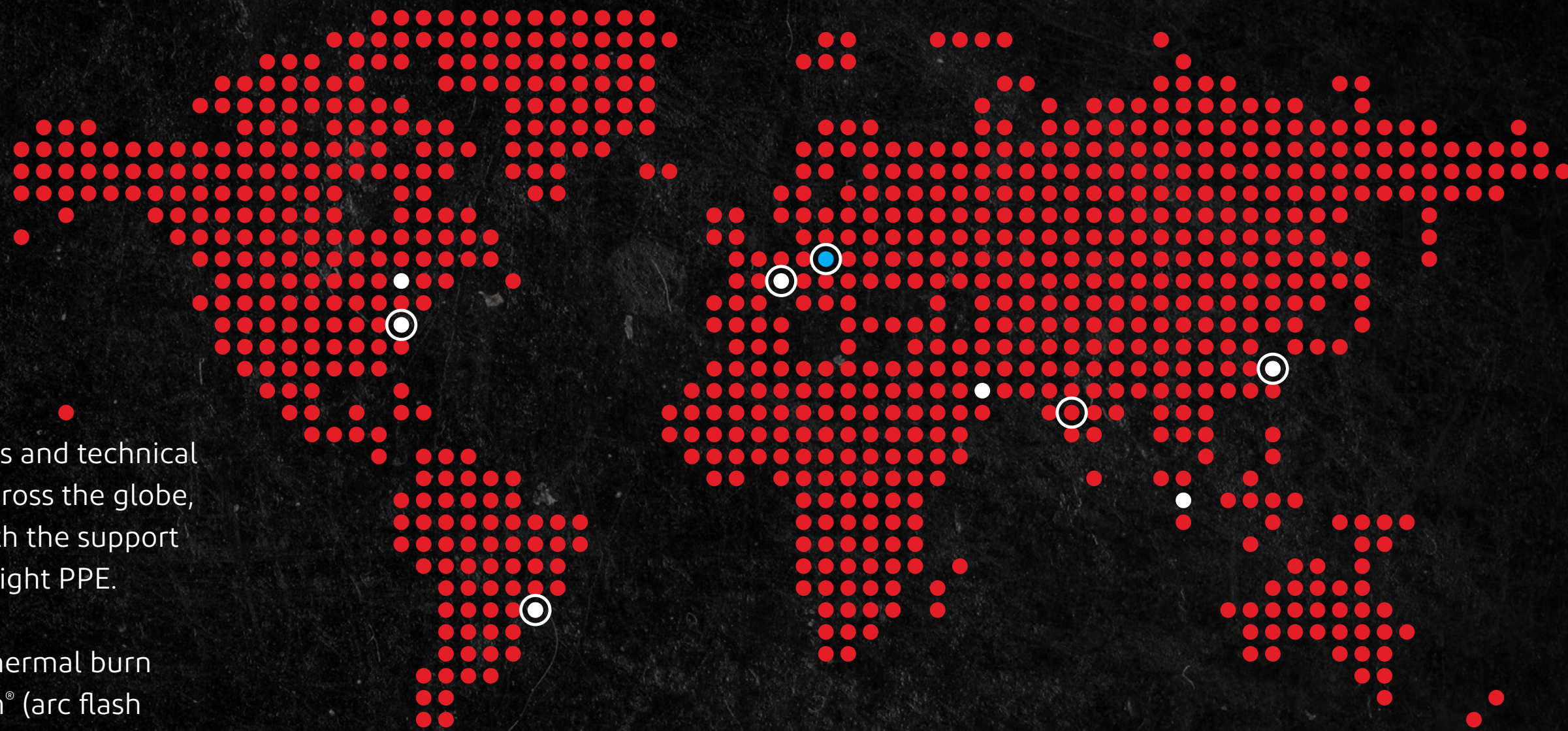
DuPont - SafeSPEC

Global reach

With operations in 96 countries and technical centers staffed with experts across the globe, we are here to provide you with the support you need when choosing the right PPE.

Our Thermo-Man[®] (life-sized thermal burn injury evaluation) and Arc-Man[®] (arc flash injury evaluation) units provide compelling demonstrations that help educate industrial workers about the durability and heat, flame and electric arc resistance that DuPont Safety PPE delivers.

○ Technical centers ● Thermo-Man[®] Units ● Arc-Man[®] Units

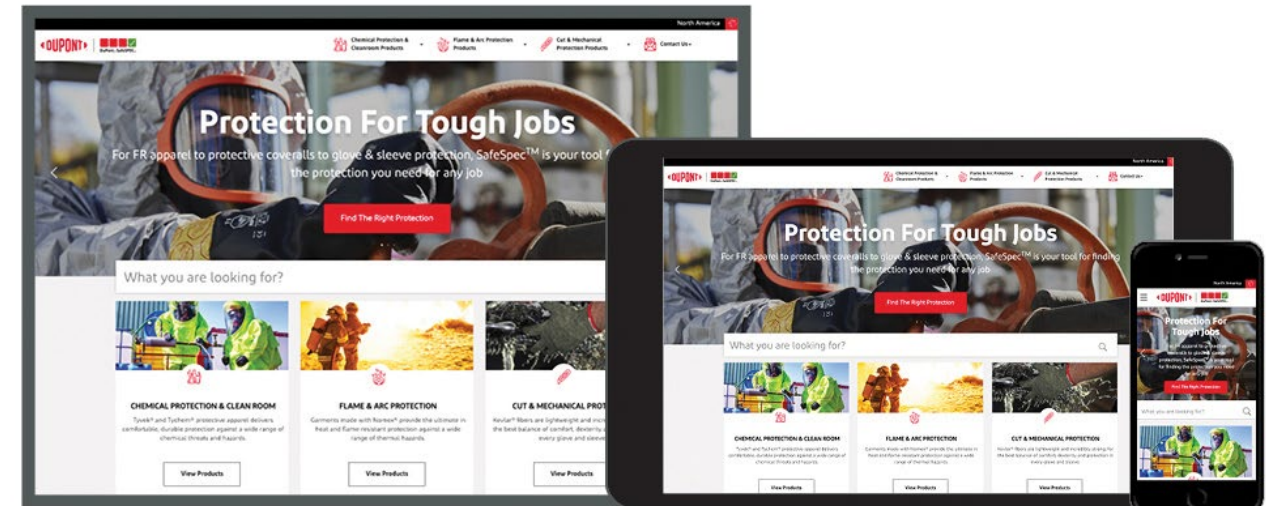


We're here to help

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

SafeSPEC™ has a permeation test results database for Tychem® fabrics & gloves and allows you to search by either hazard or industry to help you find the right protection for the job at hand.

safespec.dupont.com



<DUPONT>
Kevlar | **Nomex** | **Tyvek** | **Tychem**

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dpp.dupont.com

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 **@DuPontPPE**

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