



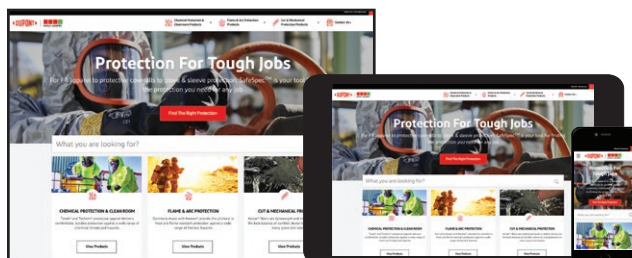
Personal protective equipment (PPE) for the utilities industry

Now more than ever, utility companies across the globe face increased competition, stricter regulations, limited government subsidies and social pressure for more clean energy sources.

To remain competitive, companies are upgrading to more efficient generation, transmission and distribution systems. These upgrades involve an important diversification of energy portfolio with a reduction in the single energy source from fossil fuels to different renewable sources.

As a result, workers in the utilities industry, who are responsible for providing electricity as an essential need for the world, are facing new and multiple workplace hazards in a very dynamic work environment. DuPont offers a broad range of PPE solutions to address these hazards, including: Tyvek® garments for protection against fine particle hazards and low-level liquid splashes; Tychem® garments and gloves for protection against a wide range of chemicals; and ProShield® garments for protection against dirt and grime.

Customer support—we're here to help



SafeSPEC™

DuPont™ SafeSPEC™, our powerful web-based tool, has a full permeation test results database for Tychem® fabrics and allows you to search by hazard to help find the right protection. The DuPont™ SafeSPEC™ app is also available for mobile use.

safespec.dupont.com

Certified Industrial Hygienist team

A DuPont Certified Industrial Hygienist and Technical Expert can conduct a job hazard assessment to help you determine an ideal DuPont garment for a specific hazard. 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.

Thermo-Man®

DuPont™ Thermo-Man®, the world's most advanced life-sized thermal burn injury evaluation unit, is used in our technical centers around the world to evaluate the heat and flame resistance that FR garments can deliver in a simulated flash fire.

thermo-man.dupont.com

DuPont options*		Dirty jobs	Hazardous particles	Biohazards	Liquid chemical splash	Secondary flame resistance	Primary flame resistance	Electric arc flash
	ProShield® 6 SFR, TM127SBU** Cost-effective cover to protect reusable FR garments while also protecting from non-hazardous particles and aerosols	✓				✓		
	Tyvek® 400, TY125SWH An ideal balance of comfort, durability and protection against hazardous particulates and light liquid splash	✓	✓					
	Tyvek® 500 HV, TY125SHV Bright fluorescent orange color background material combined with silver gray retroreflective material make the garment highly visible during the day and at night (when exposed to a light source)	✓	✓	✓				
	Tyvek® 600, TY198TWH The durability and comfort of Tyvek® with taped seams and chemical permeation barrier to low concentration water-based inorganic chemicals		✓	✓	✓			
	Tyvek® 800, TJ198TWH Ideal for situations that require protection from liquid spray, even in pressurized jet form; The taped seams provide strong chemical resistance and tough seam stress		✓	✓	✓			
	Tychem® 2000 SFR, QS127TGR Chemical and secondary flame protection in a lightweight garment		✓	✓	✓	✓		
	Tychem® 2000, QC127TYL Flexible, durable and lightweight protection from >40 chemical challenges		✓	✓	✓			

Comparison within the DuPont portfolio: ✓ Acceptable for use
(Blank) Not recommended

continued

DuPont options*	Dirty jobs	Hazardous particles	Biohazards	Liquid chemical splash	Secondary flame resistance	Primary flame resistance	Electric arc flash
 Tychem® 2000 Tape, QC0990YL Flexible seal that helps to keep PPE items in place and helps provide protection against a variety of inorganic acids and bases	✓	✓		✓			
 Tychem® 6000 FR, TP198TOR Helps provide triple-hazard protection from chemicals, flash fire and electric arc; TP198T and TP199T are certified to NFPA 1992		✓	✓	✓		✓	✓
 Tychem® 6000, TF145TGY Strong and durable with a broad chemical barrier and protection against >180 chemical challenges		✓	✓	✓			
 Tychem® NT420 Chemical splash and oil protection; Designed for jobs requiring barrier protection, while keeping tactile discrimination	✓	✓	✓	✓			
 Tychem® NT430 Lightweight with “second-skin” feel; Resistant to oils, hydrocarbons and greases. Lint-free, dust-free cuff prevents dirt from entering the glove	✓	✓	✓	✓			
 Tychem® NT450 Flexible knit-lined dual nitrile glove; Protects against an array of solvents, oils and acids	✓	✓		✓			
 Tychem® NT470/NT480† Bisque finish allows for secure handling in wet and dry conditions; Ergonomic design to maximize comfort	✓	✓	✓	✓			
 Tychem® Neoprene NP530 Double-dipped neoprene over natural rubber for dexterity; Resistant to a wide range of chemicals	✓	✓		✓			

Comparison within the DuPont portfolio: ✓ Acceptable for use
(Blank) Not recommended

Notes:

*The selection of appropriate PPE such as but not limited to: respiratory, eye, head, foot, and hand protection, is the responsibility of the end-user and must be made following a thorough hazard assessment of the work tasks and environment and consideration that the selected PPE meets all relevant government and industry standards. **The information provided by DuPont is not intended as a substitute for any hazard assessment testing you need to conduct to determine for yourself the suitability of our products for your particular purposes. This information is offered for consideration and is not a recommendation.**

†NT480 is flock-lined for enhanced comfort. NT470 is unlined.
Tychem® gloves are not intended for applications requiring shock protection.



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WARNING: Do not wear non-flame-resistant garments in potentially flammable or explosive atmospheres. Consider instead flame-resistant or secondary flame-resistant garments must be worn over primary flame-resistant garments. Tyvek®, ProShield®, and most Tychem® garments, including Tychem® gloves and Tychem® 2000 Tape, should not be used around heat, flames, sparks or in potentially flammable or explosive environments. Only Tychem® 6000 FR and Tychem® 10000 FR garments are designed and tested to help reduce injury during escape from a flash fire. ProShield® 6 SFR and Tychem® 2000 SFR garments offer secondary flame resistance and are designed to be used over primary flame-resistant garments, included but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. Users of Tychem® 6000 FR, Tychem® 10000 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.

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience become available. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. This information is intended for use by persons having the technical expertise to undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first check that the garment selected is suitable for the intended use. The end-user should discontinue use of garment if fabric becomes torn, worn or punctured, to avoid potential chemical exposure. Since conditions of use are beyond our control, DUPONT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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