



Personal protective equipment (PPE) for the food and beverage sector

The U.S. food manufacturing industry employs more than 1.5 million people¹, with production workers accounting for the bulk of those jobs. DuPont offers a wide range of protective clothing that addresses the occupational needs of food and beverage industry workers.

Uses for DuPont PPE to protect workers

Food and beverage manufacturing includes a number of applications that require particle, chemical, liquid and oil protection, including:

Food and beverage processing

Workers need protection in both wet manufacturing processes (e.g., production of meats, beverages and dairy products) and dry manufacturing processes (e.g., baked goods and other grain-based products).

Industrial pressurized cleaning

Workers may be exposed to industrial cleaning agents and tasks, such as tank and machinery cleaning, which require pressurized washing and protection from water-based chemicals.

Maintenance and plant operations

DuPont offers a wide range of protective apparel for protection against hazardous and non-hazardous particulates and light splashes.

Emergency response

Higher-level protection is needed in manufacturing operations that require refrigeration, where ammonia leaks could be a threat.

Customer support—we're here to help



SafeSPEC™

DuPont™ SafeSPEC™, our powerful web-based tool, can assist you with finding the appropriate DuPont garments for chemical and thermal hazards and controlled environments. SafeSPEC™ has a full permeation test results database for DuPont™ Tychem® fabrics and allows you to search by hazard to help find the appropriate protection. The SafeSPEC™ app is also available for mobile use.

safespec.dupont.com

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 predict the heat and flame resistance that FR garments can deliver in a simulated flash fire.

thermo-man.dupont.com

Certified Industrial Hygienist team and Technical Experts

A DuPont Certified Industrial Hygienist can conduct a job hazard assessment to help you determine an ideal DuPont garment for a specific hazard. DuPont Technical Experts are also available to work side by side with the HSE manager to help simplify the process for them to properly match PPE to the hazards your workers face.

¹U.S. Bureau of Labor Statistics, 2016.

DuPont options**	General maintenance	Particulate protection	Industrial cleaning	Pressure washing	Emergency response
 <p>ProShield® 10, PB120*¹ Comfort and quality at an affordable price for protection against non-hazardous particulates and light liquid splash</p>	✓	✓			
 <p>Tyvek® 400, TY125*¹ An ideal balance of comfort, durability and protection against hazardous particulates and light liquid splash</p>	✓	✓			
 <p>Tyvek® 800, TJ198¹ Combines resistance to pressurized jets of low-concentration, water-based, inorganic chemicals with the durability of Tyvek®</p>			✓	✓	
 <p>Tychem® 2000, QC127*¹ Flexible, durable and lightweight protection from >40 chemical challenges; ideal for protection during cleaning solution (sodium hypochlorite) dilution processes</p>			✓	✓	
 <p>Tychem® 2000 Tape¹ Flexible seal that helps to keep PPE items in place and helps provide protection against a variety of inorganic acids and bases</p>	✓	✓	✓	✓	
 <p>Tychem® 10000, TK554/TK555*¹ Level A protection from several high-hazard toxic and industrial chemicals, including refrigeration (ammonia) leaks</p>					✓
 <p>Tychem® 10000 FR, RF600T* Broad chemical holdout, including refrigeration (ammonia) leaks and provides flash fire escape protection</p>					✓

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

*More garment styles available.

**Please see last page for additional information.



DuPont Personal Protection
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****WARNING:** Tyvek®, ProShield®, and most Tychem® garments including 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, including but not limited to, Nomex® Essential (Nomex® IIIA) or Nomex® Comfort garments. Users of Tychem® 10000 FR, Tychem® 6000 FR, Tychem® 2000 SFR, and ProShield® 6 SFR garments should not knowingly enter an explosive environment. Consult the Tychem® User Manual, located on our website, for instructions on proper use, care and maintenance of your Tychem® garments.

Do not wear non-flame-resistant garments in potentially flammable or explosive environments. Instead, consider use of flame-resistant or secondary flame-resistant garments, which must be worn over primary flame-resistant 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. This information is not intended as a license to operate under or a recommendation to infringe any patent or technical information of DuPont or other persons covering any material or its use.

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