

# Flammability of DuPont™ Tyvek®, ProShield®, and Tychem® Limited-Use Fabrics

**DuPont™ Tyvek®, ProShield®, and Tychem® Brand Fabrics are rated “Class 1: Normal Flammability” when tested as directed by the Flammable Fabrics Act.**

All fabrics listed in the table were tested in accordance with the U.S. Flammable Fabrics Act, 16 CFR Part 1610, “Standard for the Flammability of Clothing Textiles” (formerly known as CS-191-523) by a third-party laboratory.

The test method specified by this standard is a 45° angle flammability test that calls for ignition of the face of the fabric, and then measures the time required to burn a specified distance of 5 inches. Longer burn times indicate lower flammability characteristics.

Class 1 fabrics take longer than 4 seconds to burn the specified distance.

Class 1 fabrics are “... generally accepted by the trade as having no unusual burning characteristics.”

Other standards apply to protective clothing worn when the threat of heat, fire, or explosion exists.

FABRIC	TEST METHOD	TEST RESULTS
<b>Tyvek® Fabrics</b>		
Tyvek®	16 CFR Part 1610	Class 1
Tyvek® SoftWear™	16 CFR Part 1610	Class 1
Tyvek® FC	16 CFR Part 1610	Class 1
<b>ProShield® Fabrics</b>		
ProShield® NexGen®	16 CFR Part 1610	Class 1
ProShield® 1	16 CFR Part 1610	Class 1
ProShield® 2	16 CFR Part 1610	Class 1
<b>Tychem® Fabrics</b>		
Tychem® QC	16 CFR Part 1610	Class 1
Tychem® CPF 1	16 CFR Part 1610	Class 1
Tychem® SL	16 CFR Part 1610	Class 1
Tychem® CPF 2	16 CFR Part 1610	Class 1
Tychem® F	16 CFR Part 1610	Class 1
Tychem® CPF 3	16 CFR Part 1610	Class 1
Tychem® BR	16 CFR Part 1610	Class 1
Tychem® LV	16 CFR Part 1610	Class 1
Tychem® CPF 4	16 CFR Part 1610	Class 1
Tychem® Responder®	16 CFR Part 1610	Class 1
Tychem® Responder® CSM	16 CFR Part 1610	Class 1
Tychem® TK	16 CFR Part 1610	Class 1
Tychem® Reflector®	16 CFR Part 1610	Class 1
Tychem® Reusable SP	16 CFR Part 1610	Class 1
<b>Specialty Fabrics</b>		
Tempo®	16 CFR Part 1610	Class 1
NOMEX® LimitedWear	16 CFR Part 1610	Class 1

**Warnings:**

- 1.) Tyvek®, ProShield®, and Tychem® fabrics are not flame resistant and should not be used around heat, flame, sparks, or in potentially flammable or explosive environments.**
- 2.) Garments of Tyvek®, ProShield®, and Tychem® fabrics should have slip resistant or antislip materials on the outer surface of boots, shoe covers, or other garment surfaces where a concern about slippage exists.**

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It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk.

Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher permeation rates than the fabric. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure to chemical. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY WHATSOEVER IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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Replaces all previously published Flammability data sheets.

DuPont manufactures a complete line of garments for personal protection.

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