

DuPont™ Tyvek® IsoClean™

Protection and Comfort in Critical Environments

DuPont™ Tyvek® delivers the best balance of protection, durability and comfort. Made using a patented flash spinning process, Tyvek® features an inherent barrier. So, unlike other protective apparel fabrics that have either a film or coating that can be easily scratched or worn away, Tyvek® provides barrier through the entire fabric.

The limited-use apparel from DuPont™ Tyvek® IsoClean™ provides an excellent barrier to dry particulates, non-hazardous liquids and microorganisms. Tyvek® IsoClean™ apparel is comfortable, lightweight and durable.

Key Benefits

- Excellent barrier to dry particulates, non-hazardous liquids and microorganisms
- Chemically and biologically inert
- Low linting
- Anti-static
- Recyclable
- Serged or bound seams with tunneled elastic options

DuPont offers state-of-the-art apparel manufacturing when sterility and cleanliness are critical. From our ISO registered facility to clean-processing, packaging and sterilization, DuPont products stand for the highest quality.

All Tyvek® IsoClean™ apparel that is clean-processed and polybagged is done so in a certified Class1/ISO Class 3 cleanroom laundry. For sterilization, each piece of apparel receives a "Certificate of Irradiation and Sterility" for full traceability.

Wide Range of Applications

Garments made of Tyvek® IsoClean™ are used in the biotech, pharmaceutical, medical packaging and electronics industries, as well as in other critical or controlled environments requiring clean or sterile apparel. With a wide range of proven, science-based solutions, DuPont products help ensure superior protection for all your business critical systems, equipment and sterile production processes.

Garment Styles to Meet Your Needs

Tyvek® IsoClean™ is available in a wide variety of garment and accessory styles, such as coveralls, frocks, lab coats, shoe and boot covers and sleeve protectors.



The miracles of science™

DuPont™ Tyvek® IsoClean™

Physical Properties, Typical

PROPERTY	UNITS	IsoCLEAN™	STANDARD
Basis Weight	oz/yd ²	1.2	ASTM D751-00
Thickness	mils	5.4	ASTM D1777-96
Particle Filtration Efficiency (≥0.5 micron)	%	99.5	IEST-RP-CC003.2
Particle Filtration Efficiency (≥5.0 micron)	%	99.5	IEST-RP-CC003.2
Tongue Tear, MD	lbf	2.2	ASTM D2261-83
Tongue Tear, CD	lbf	2.3	ASTM D2261-83
Strip Tensile, MD	lbf/in	7.9	ASTM D5035-95
Strip Tensile, CD	lbf/in	8.7	ASTM D5035-95
Mullenburst	psi	50.0	ASTM D774/D774M-97
Hydrostatic Head	in H ₂ O	40.0	AATCC 127-1998
Static—Log R (Surface Resistivity)	log ohms	<9.8	ASTM D257-99
Static Decay	sec	<0.1	NFPA 99
Flammability		Class 1	16 CFR 1610
Particle Shedding Results* (≥0.3 micron)		Class II	IEST-RP-CC003.3

INDEX OF CODES:

< = less than, > = greater than,
 ≥ = greater than or equal to

These results are measured using the most current industry accepted standard test methods. A true test of performance is [in use](#).

*Helmke garment cleanliness classification based on particle emission rates for a size medium coverall.

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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 compromising the barrier protection. **SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.**

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Get trained in the proper use, handling, storage, maintenance, and disposal of this garment; Review and understand available information about the appropriate use of this garment; Verify that the garment is appropriate for the user's specific application; Verify that the garment meets all specified government and industry standards for user's specific application; Carefully inspect the garment for damage before and after use, including all fabric, seams and closures.

WARNINGS:

1) Tyvek® is not flame-resistant and should not be used around heat, flame, sparks or in potentially flammable or explosive environments. **2)** Garments made of Tyvek® should have slip-resistant or antislip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur. **3)** If fabric becomes torn, scratched, or punctured, user should immediately discontinue use of garment to avoid serious injury, including potentially deadly chemical exposure(s). Seams and closures require special care and attention because they may provide less protection from chemical exposure than the fabric during use.

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For more information:

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or call
1-800-931-3456

DuPont Contamination Control



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