

DuPont™ Tyvek® IsoClean® bulk packaged garments

TECHNICAL DATA SHEET

Protection and comfort in critical environments.



Tyvek® IsoClean® apparel is breathable,
lightweight and durable.

DuPont™ Tyvek® delivers the ideal balance of protection, durability and comfort. Made using a patented flash spinning process, Tyvek® features an inherent barrier. Every Tyvek® IsoClean® garment is new, clean and fresh. Both inventory and use costs are predictable, allowing you to predict your costs without replacement, repair or restocking fees.

Key Benefits

- The ideal balance of protection, comfort and durability
- Excellent inherent barrier to dry particles, microorganisms and non-hazardous liquids
- Low linting
- Antistatic treated to reduce nuisance static
- Recyclable
- Available packaged individually and sterile
- High quality

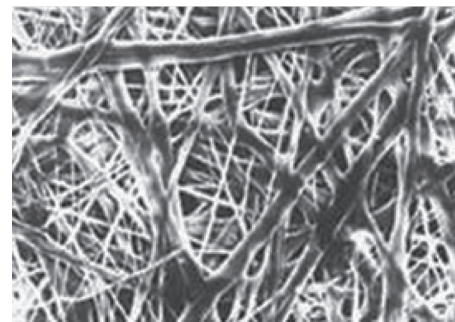
For higher level of protection, inquire about Tyvek® IsoClean® garments that are clean processed and gamma irradiated to Sterility Assurance Level (SAL) of 10^{-6} .

Wide Range of Applications

Garments made of Tyvek® IsoClean® are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other critical or controlled environments. With a wide range of proven, science-based solutions, DuPont products help ensure superior protection for your business critical systems, equipment and controlled environment 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, hoods, gowns, bouffants, shoe and boot covers and sleeve protectors.



The unique flash spinning process of Tyvek® creates a tortuous path for particles.
Image at 200x.



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Typical Physical Properties of DuPont™ Tyvek® IsoClean® Bulk

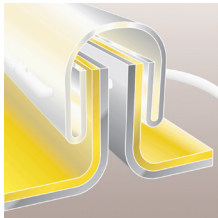
Property	Units	Tyvek® IsoClean® Bulk	Standard
Basis Weight	oz/yd ²	1.2	ASTM D3776
Thickness	mils	5.4	ASTM D1777
Bacterial Filtration Efficiency (3.0 µm)	%	99.0	ASTM F2101
Grab Tensile, MD	lbf	18.0	ASTM D5034
Grab Tensile, CD	lbf	25.5	ASTM D5034
Mullenburst	psi	48.0	ASTM D774
Hydrostatic Head	cm H ₂ O	100.0	AATCC TM127
Surface Resistivity (55% RH)	ohms	6.3 x 10 ⁹	ASTM D257
Flammability		Class 1	16 CFR 1610

These properties are typical for garments that have not been clean-processed or sterilized. Please see K-17388-1 for typical properties of clean-processed garments. Sterilization may affect strength, water barrier and static dissipation.

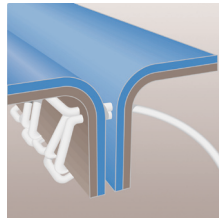
Seam Construction

Even the best protective fabrics are useless without strong, tight seams.

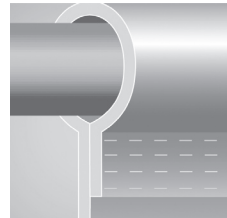
Seam construction available in serged or bound seams with covered elastic options.



Bound
Tightly sewn with a reinforced outer binding to increase seam strength and barrier.



Serged
A seam produced when three threads are interlocked around the raw edges of two pieces of material for a strong, stress-resistant seam.



Covered Elastic
Elastic covered by garment material so elastic is not exposed.

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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 may provide less barrier than the fabric. If the 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.** This information is not intended as a license to operate under or a recommendation to infringe any patent, trademark or technical information of DuPont or others covering any material or its use. **WARNINGS:** 1) DuPont garments and accessories for controlled environments are 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.*

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