DuPont™ Tyvek® IsoClean® clean processed 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

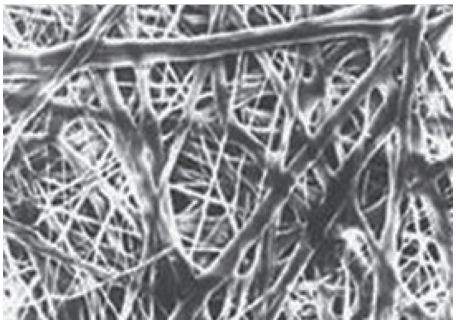
- The ideal balance of protection, comfort and durability
- Excellent inherent barrier to dry particles, microorganisms and non-hazardous liquids
- Low linting and particle shedding
- Recyclable
- Clean processed and individually packaged in an ISO Class 4 (Fed. Std. 209E Class 10) Cleanroom
- Available gamma irradiated to a Sterility Assurance Level (SAL) of 10^{-6} and folded for aseptic donning
- Certificates of Sterility available for sterile garments
- High quality

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.

DUPONT®

The miracles of science™

Typical Physical Properties of DuPont™ Tyvek® IsoClean® Clean Processed

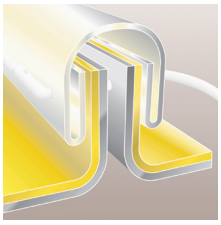
Property	Units	Tyvek® IsoClean® Clean Processed	Standard
Basis Weight	oz/yd^2	1.3	ASTM D3776
Thickness	mils	5.0	ASTM D1777
Bacterial Filtration Efficiency (3.0 µ)	%	98.4	ASTM F2101
Particle Filtration Efficiency (0.5 µ)	%	96.0	ASTM F2299*
Particle Filtration Efficiency (>0.5 µ)	%	76.7	IEST-RP-CC003.3
Grab Tensile, MD	lbf	19.3	ASTM D5034
Grab Tensile, CD	lbf	22.0	ASTM D5034
Mullenburst	psi	55.0	ASTM D774
Hydrostatic Head	cm H_2O	82.3	AATCC TM127
Surface Resistivity (55% RH)	ohms	1.0×10^{12}	ASTM D257
Flammability		Class 1	16 CFR 1610
Particle Shedding (Helmke Drum)		Category 1	IEST-RP-CC003.3

*Particles not neutralized.

These properties are typical for garments that have not been sterilized. Sterilization may affect strength, water barrier and static dissipation.

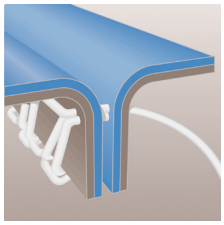
Seam Construction

Even the best protective fabrics are useless without strong, tight seams.
Seam construction available in serged or bound seams with covered elastic options.



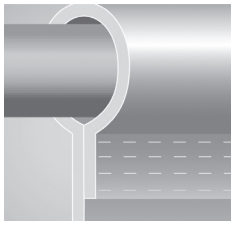
Bound

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.

K-17388-1 (07/09) Printed in the U.S.A.

Customer Service:
United States 1-800-931-3456
Canada 1-800-387-9326
Mexico 01800 849 75 14 or
011 52 55 5722 1150

www.ControlledEnvironments.DuPont.com

DUPONT®

The miracles of science™