

DuPont™ Tyvek® 100 Coverall, model CHF5



Reference: TYV CHF5S WH DV

Designation: Tyvek® – white, model CHF5

Fabric/material: Tyvek® 1431 N, 41 g/m², antistatic treatment.

Description: Coverall, white, 3 piece hood, external stitched seams, Tyvek® zipper with storm flap, gusset area, elastic cuffs, ankles and waist.

Size
(Order number): M(D14936769), L(D14936774), XL(D14936784),
XXL(D14936793)

Conditioning: Under individual packing, with a label of size on each pack.
Boxes of 100 articles for required size.

The supply of DuPont Personal Protection garments is assured by distributor nets; please contact us to know your local reseller.

DuPont Personal Protection

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Tyvek®: the balance between protection, durability & comfort

Protection

- Barrier against particles down to 0.6 micron due to its structure of fine, continuous fibres
- Resistant to low-level liquid aerosols from water-based chemical spray
- Antistatically treated, so that when the coveralls are correctly earthed, electrostatic charges are dissipated.

Durability

- Tyvek® is tough, tear and abrasion resistant
- Coveralls retain integrity in arduous conditions and maintain protection level throughout their usage

Comfort

- Tyvek® protective coveralls are permeable to both water vapour and air and feel pleasant against the skin.



- Ergonomic 3 piece hood allowing easy movement of head without disturbing the view of the wearer.
- TYVEK® zipper with zip flap for improved safety offering higher level of tightness.
- Elasticated cuffs and ankles for good fit of garment openings.
- Elasticated in waist for safe fit of garment and wearer comfort.

Seams: External stitched seams for enhanced protection against penetration from outside to inside of garment.

TYVEK® FABRIC - Permeation Data

Permeation data for Tyvek®

Please find below a selection of permeation data for Tyvek® White 1422A / 1431N.

Tyvek®, extremely tough, tear and abrasion resistant, offers strong barrier against particles and resists low-pressurized water-based liquid chemical splashes.

Tyvek® Classic Xpert is the chosen category III protection against solid particles larger than 1 µm (Type 5), and mist, i.e. low-level liquid aerosols from water-based chemical spray (Type 6).

Tyvek® Classic Plus is a chemical protective clothing category III type 4B, 5 and 6, providing high barrier against many inorganic chemicals in low concentrations and particles larger than 1 micron. With its overlapped seams, this suit is ideal for toxic dry particulate environments or to prevent liquid penetration through seams.

Permeation vs. penetration and repellency

Permeation is not the same as penetration.

Liquid chemical penetration is a physical process whereby a liquid penetrates a fabric by passing through pores or holes in the fabric.

The European standard EN ISO 6530 (referred to as the "gutter test") measures liquid penetration through a fabric and liquid repellency by a fabric. Penetration & repellency tests, such as the gutter test, are typically "short duration tests" of 1 minute.

Fabrics may show high repellency and penetration indices to certain chemicals, but when exposed for several minutes will allow the chemical to permeate.

TYVEK® FABRIC - Permeation Data

Chemical Name	Physical State	CAS No.	Breakthrough time			Classification according to EN 14325	Steady State Permeation Rate µg/(cm ² ·min)	Minimum Detection Rate µg/(cm ² ·min)
			Actual	Normalized at 0.1 µg/(cm ² ·min)	Normalized at 1.0 µg/(cm ² ·min)			
			minutes	minutes	minutes			
Glycerol	L	56-81-5	450	> 480	> 480	6	0.03	0.01
Hydrochloric acid (16%)	L	7647-01-0	30	60	65	3	11.1	0.005
Hydrochloric acid (30%)	L	7647-01-0	imm	imm	imm	■	10.1	0.01
Hydrogen peroxide (10%)	L	7722-84-1	> 480	> 480	> 480	6	<0.01	0.01
Hydrogen peroxide (30%)	L	7722-84-1	imm	15	■	■	> 0.11	0.04
Mercuric II chloride (sat'd)	L	7487-94-7	> 480	> 480	> 480	6	<0.01	0.01
Nitric acid (10%)	L	7697-37-2	> 480	> 480	> 480	6	<0.005	0.005
Nitric acid (30%)	L	7697-37-2	45	60	60	2	4.6	0.001
Phosphoric acid (50%)	L	7664-38-2	> 480	> 480	> 480	6	<0.005	0.005
Potassium chromate (sat'd)	L	7789-00-6	> 480	> 480	> 480	6	<0.005	0.005
Potassium hydroxide (40%)	L	1310-58-3	60	60	> 480	6	0.7	0.001
Sodium acetate (sat'd)	L	127-09-3	> 480	> 480	> 480	6	<0.005	0.005
Sodium hydroxide (40%)	L	1310-73-2	> 480	> 480	> 480	6	<0.005	0.005
Sodium hydroxide (50%)	L	1310-73-2	10	220	> 480	6	0.85	0.01
Sodium hydroxide (solid)	S	1310-73-2	> 480	> 480	> 480	6	<0.01	0.01
Sodium hypochlorite (13% active Chlorine)	L	7681-52-9	> 480	> 480	> 480	6	<0.005	0.005
Sodium hypochlorite (sat'd)	L	7681-52-9	> 480	> 480	> 480	6	<0.01	0.01
Sulphuric acid (18%)	L	7664-93-9	480	480	> 480	6	0.2	0.005
Sulphuric acid (30%)	L	7664-93-9	135	160	168	4	9.7	0.005
Sulphuric acid (50%)	L	7664-93-9	10	50	75	3	38	0.01

KEY: ■ = Not tested • S = solid • G = gaseous • L = liquid • imm = Immediate • sat'd = saturated

Sizing Chart –Donning & Doffing Pictorial Guidance

DuPont Personal Protection



Body measurements

Body height (cm)



Chest girth (cm)	Size	162 170	168 176	174 182	180 188	186 194	192 200
	84 - 92	S					
92 - 100			M				
100 - 108				L			
108 - 116					XL		
116 - 124						XXL	
124 - 132							XXXL

