



PRODUCT INFORMATION

DuPont™ Tyvek® 500 AV. Hooded coverall. Ergonomic-protective design. Stitched external seams. Elasticated wrists, ankles and face. Elasticated waist (glued-in). Tyvek® zipper and flap. White. Developed for Emergency services teams: the fabric meets the Standard Performance requirements of EN 13795-1 (Surgical clothing and drapes) and reaches 99.99% antiviral efficacy against SARS-COV 2 after 2h of exposure (ISO 18184). This garment is suitable for use in medical device applications.

ATTRIBUTES

Full Part Number	TY0198SWHAV
Fabric/Materials	TYVEK® 500 AV
Design	Hooded coverall with elastics
Seam	Stitched (external)
Color	White
Sizes	SM, MD, LG, XL, 2X, 3X
Quantity/Box	25 per box, individually packed

FEATURES

- Certified according to Regulation (EU) 2016/425.
- Chemical protective clothing, Category III, Type 5-B and 6-B
- EN 14126 (barrier to infective agents), EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on both sides.
- Stitched external seams
- Very low inward leakage thanks to optimised design
- Tyvek® auto-lock zipper and zipper flap for increased protection.

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15570488	
MD	D15570489	
LG	D15570490	
XL	D15570491	
2X	D15570742	
3X	D15570743	

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance ⁷	EN 530 Method 2	>100 cycles	2/6 ¹
Basis Weight	DIN EN ISO 536	43.0 g/m ²	N/A
Charge Decay	EN 1149-3	<4 s	N/A
Colour	N/A.	White	N/A
Exposure to high Temperature	N/A.	Melting point ~135 °C	N/A
Flex Cracking Resistance ⁷	EN ISO 7854 Method B	>100000 cycles	6/6 ¹

TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Puncture Resistance	EN 863	>10 N	2/6 ¹
Resistance to water penetration	AATCC 127	>8 kPa	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>60 N	2/6 ¹
Tensile Strength (XD)	DIN EN ISO 13934-1	>60 N	2/6 ¹
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1/6 ¹
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1/6 ¹

1 According to EN 14325 | 2 According to EN 14126 | 3 According to EN 1073-2 | 4 According to EN 14116 | 12 According to EN 11612 | 5 Front Tyvek® / Back |
 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | > Larger than | < Smaller than |
 N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Nominal protection factor ⁷	EN 1073-2	>50	2/3 ³
Seam Strength	EN ISO 13935-2	>50 N	2/6 ¹
Shelf Life ⁷	N/A.	10 years ⁶	N/A
Type 5: Inward Leakage ¹¹	EN ISO 13982-2	Ljnm<30%,Ls<15%	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN 11612 | 13 According to EN 11611 | 5 Front Tyvek® / Back |
 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings |
 11 Based on the average of 10 suits, 3 activities, 3 probes | > Larger than | < Smaller than | N/A Not Applicable | * Based on lowest single value |

COMFORT

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	ISO 5636-5	yes	N/A
Air Permeability (Gurley method)	ISO 5636-5	< 45 s	N/A
Ret	EN ISO 11092	<20 m ² .Pa/W	N/A

2 According to EN 14126 | 5 Front Tyvek® / Back | > Larger than | < Smaller than | N/A Not Applicable |

SURGICAL CLOTHING

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Bursting strength - Dry	EN ISO 13938-1	>40 kPa	N/A
Bursting strength- Wet	EN ISO 13938-1	>40 kPa	N/A
Cleanliness Microbial/Bioburden	EN ISO 11737-1	<300 CFU/cm ²	N/A
Liquid penetration	EN ISO 811	>20 cm	N/A
Microbial penetration - Dry	EN ISO 22612	<300 CFU	N/A
Microbial penetration - Wet	EN ISO 22610	>2.8	N/A
Particle release	EN ISO 9073-10	<4 log ₁₀	N/A
Performance level	EN 13795-1	Standard performance	N/A
Tensile strength - Dry	EN 29073-3	>20 N	N/A
Tensile strength - Wet	EN 29073-3	>20 N	N/A

2 According to EN 14126 | 5 Front Tyvek® / Back | > Larger than | < Smaller than | N/A Not Applicable |

PENETRATION AND REPELLENCY



TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>95 %	3/3 ¹
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3/3 ¹
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3/3 ¹
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3/3 ¹

1 According to EN 14325 | > Larger than | < Smaller than |

BIOLOGICAL BARRIER

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Biologically Contaminated Aerosols	ISO/DIS 22611	1 < log < 3	1/3 ²
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	3.5 kPa	3/6 ²
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	<15 min	1/6 ²
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	2 < log cfu < 3	1/3 ²

1 According to EN 14325 | > Larger than | < Smaller than |

ANTIVIRAL PROPERTIES

INFECTIOUS AGENT	PROPERTY	TEST METHOD	15 MIN	30 MIN	2 H	24 H
Virus	Human COV 229E	ISO 18184			> 99%	
Virus	SARS COV2	ISO 18184	> 90%	> 99%	> 99.99%	
Bacteria	Escherichia Coli	ISO 20743				> 99.99%
Bacteria	Klebsellia Pneumoniae	ISO 20743				> 99.99%
Bacteria	Staphylococcus Aureus	ISO 20743				> 99%

> Larger than | < Smaller than |

WARNING

The garment does not protect against ionizing radiation.

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This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.

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CREATED ON: DECEMBER 11, 2023

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