

## TECHNICAL DATA SHEET



### PRODUCT INFORMATION

DuPont™ Tyvek® 500 Xpert Green. Hooded coverall. Ergonomic-protective design. Stitched external seams. Elasticated wrists, ankles and face. Elasticated waist (glued-in). Tyvek® zipper and flap. Green

### ATTRIBUTES

Full Part Number	TYCHF5SGR00
Fabric/Materials	Tyvek® 500 Green
Design	Hooded coverall with elastics
Seam	Stitched (external)
Color	Green
Other Colors	<a href="#">Blue,White</a>
Sizes	SM, MD, LG, XL, 2X, 3X
Quantity/Box	100 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)
- 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
S	D14936647	MTO
M	D14936650	
L	D14936664	
XL	D14936675	
2X	D14936681	
3X	D14936699	MTO

### PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance <sup>7</sup>	EN 530 Method 2	>100 cycles	2/6 <sup>1</sup>
Basis Weight	DIN EN ISO 536	44 g/m <sup>2</sup>	N/A
Colour	N/A	Green	N/A
Exposure to high Temperature	N/A	Melting point ~135 °C	N/A
Flex Cracking Resistance <sup>7</sup>	EN ISO 7854 Method B	>100000 cycles	6/6 <sup>1</sup>
Flex Cracking Resistance at -30°C	EN ISO 7854 Method B	>4000 cycles	N/A
Puncture Resistance	EN 863	>10 N	2/6 <sup>1</sup>
Resistance to water penetration	DIN EN 20811	12 kPa	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>60 N	2/6 <sup>1</sup>

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Tensile Strength (XD)	DIN EN ISO 13934-1	>60 N	2/6 <sup>1</sup>
Thickness	DIN EN ISO 534	140 µm	N/A
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1/6 <sup>1</sup>
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1/6 <sup>1</sup>

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 <sup>7</sup>	EN 1073-2	>50	2/3 <sup>3</sup>
Seam Strength	EN ISO 13935-2	>75 N	3/6 <sup>1</sup>
Shelf Life <sup>7</sup>	N/A	10 years <sup>6</sup>	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	55 s	N/A
Thermal Resistance, R <sub>ct</sub>	EN 31092/ISO 11092	26.3*10 <sup>-3</sup> m <sup>2</sup> *K/W	N/A
Thermal Resistance, clo value	EN 31092/ISO 11092	0.170 clo	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	22.1 m <sup>2</sup> *Pa/W	N/A

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

## PENETRATION AND REPELLENCY

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

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	Pass	1/3 <sup>2</sup>
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	3,5 kPa	3/6 <sup>2</sup>
Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174	ISO 16604 Procedure C	No classification	No classification <sup>2</sup>
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	? 15 min	1/6 <sup>2</sup>
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	Pass	1/3 <sup>2</sup>

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

### WARNING

MTO: Made to order terms & conditions apply. 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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Our powerful web-based tool can assist you with finding the appropriate DuPont garments for chemical, controlled environment, thermal and mechanical hazards.



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