

## TECHNICAL DATA SHEET



### PRODUCT INFORMATION

DuPont™ Tyvek® 400 Dual. Hooded coverall. Tyvek® at the front and large breathable SMS back. Stitched external seams. Elasticated wrists, ankles and face. Elasticated waist (stitched-in). Tyvek® zipper and flap. White.

### ATTRIBUTES

Full Part Number	TDCHF5SWH00
Fabric/Materials	Tyvek® 500 / SMS
Design	Hooded coverall with elastics, Tyvek® front, SMS back
Seam	Stitched (external)
Color	White
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 and 6
- Antistatic treatment (EN 1149-5) - on inside
- Stitched external seams for enhanced protection against penetration from the outside to the inside of the garment
- Tyvek® zipper and zipper flap for enhanced protection

### SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
S	D14809606	
M	D14809610	
L	D14809622	
XL	D14809637	
2X	D14809645	
3X	D14809658	

### 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	41.5/43 g/m <sup>2</sup> <sup>5</sup>	N/A
Colour	N/A	White	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	>5 N	1/6 <sup>1</sup>
Resistance to water penetration	DIN EN 20811	>10/3 kPa <sup>5</sup>	N/A
Surface Resistance at RH 25%, inside <sup>7</sup>	EN 1149-1	< 2,5 · 10 <sup>9</sup> Ohm	N/A
Surface Resistance at RH 25%, outside <sup>7</sup>	EN 1149-1	< 2,5 · 10 <sup>9</sup> Ohm	N/A

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1/6 <sup>1</sup>
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 <sup>1</sup>
Thickness	DIN EN ISO 534	140/- $\mu\text{m}$ <sup>5</sup>	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	>5	1/3 <sup>3</sup>
Seam Strength	EN ISO 13935-2	>50 N	2/6 <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	< 45 /- s <sup>5</sup>	N/A
Air Permeability (Gurley method)	ISO 5636-5	Yes/- <sup>5</sup>	N/A
Thermal Resistance, R <sub>ct</sub>	EN 31092/ISO 11092	16.3*10 <sup>-3</sup> /- m <sup>2</sup> *K/W <sup>5</sup>	N/A
Thermal Resistance, clo value	EN 31092/ISO 11092	0.105/- clo <sup>5</sup>	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	11.3/- m <sup>2</sup> *Pa/W <sup>5</sup>	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	>90 %	2/3 <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 |

## CLEANLINESS

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Dry Linting Propensity, inside	BS 6909	128/- Average particle count/17 liters of air <sup>5</sup>	N/A
Dry Linting Propensity, outside	BS 6909	56/- Average particle count/17 liters of air <sup>5</sup>	N/A


5 Front Tyvek ® / Back | > Larger than | < Smaller than | N/A Not Applicable | STD DEV Standard Deviation |


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