DUPONT™ TYVEK® 400 DUAL

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

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

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	41.5/43 g/m^2 [5]	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]
Flex Cracking Resistance at -30°C	EN ISO 7854 Method B	>4000 cycles	N/A
Puncture Resistance	EN 863	>5 N	1/6 [1]
Resistance to water penetration	DIN EN 20811	>10/3 kPa [5]	N/A
Surface Resistance at RH 25%, inside [7]	EN 1149-1	< 2,5 • 10^9 Ohm	N/A
Surface Resistance at RH 25%, outside [7]	EN 1149-1	< 2,5 • 10^9 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 [1]
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Thickness	DIN EN ISO 534	140/- µm [5]	N/A
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	>5	1/3 [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 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 [5]	N/A
Air Permeability (Gurley method)	ISO 5636-5	Yes/- [5]	N/A
Thermal Resistance, Rct	EN 31092/ISO 11092	$16.3*10^{-3}$/- m^2*K/W [5]	N/A
Thermal Resistance, clo value	EN 31092/ISO 11092	0.105/- clo [5]	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	11.3/- m^2*Pa/W [5]	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 [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 |

CLEANLINESS

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

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

WARNING

Although the Tyvek® fabric itself may offer a barrier to a certain range of low concentrated inorganic chemicals, the fabric is no barrier to liquids under pressure. In case you need a barrier to liquids under pressure, please take a chemical protective clothing category III type 3, such as Tychem® C or F into consideration.

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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