DUPONT™ TYVEK® 400 DUAL

TECHNICAL DATA SHEET

CAT III

T5

T6

EN 1073-2

EN 1149-5

PRODUCT INFORMATION

DuPont™ Tyvek® 400 Dual CHF5. Combined protection against fine particles and low-level sprays in a breathable, lightweight white hooded coverall with Tyvek® at the front and a large breathable spunbond polypropylene back panel. Features stitched external seams, a respirator fit three-piece hood, elasticated ankles, wrists, face, and waist (stitched-in), and a Tyvek® zipper with a pin lock slider zipper pull and a storm flap. Designed for environments where comfort matters while helping to provide protection from frontal exposure. Suitable for use in brick ceramic firing, paint spraying, composite materials work, glass manufacturing, and utilities.

ATTRIBUTES

Full Part Number	TDCHF5SWH00
Fabric/Materials	Tyvek®
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)
- 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
- Large breathable SMS back panel from head to ankle for increased comfort

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D14809606	
MD	D14809610	
LG	D14809622	
XL	D14809637	
2X	D14809645	
3X	D14809658	

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 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]

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Puncture Resistance	EN 863	>5 N	1/6 [1]
Resistance to water penetration	DIN EN 20811	>10 kPa [5]	N/A
Surface Resistance at RH 25%, outside [7]	EN 1149-1	< 2,5 • 10^9 Ohm	N/A
Surface Resistance at RH 25%, inside [7]	EN 1149-1	< 2,5 • 10^9 Ohm	N/A
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Thickness	DIN EN ISO 534	150 µm [5]	N/A
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1/6 [1]
Trapezoidal Tear Resistance (MD)	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 ISO 14116 | 12 According to EN ISO 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 | <= Smaller than or equal to | N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass	N/A
Type 5: Inward Leakage [11]	ISO 16603	5.0 %	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A
Nominal protection factor [7]	EN 1073-2	>5	1/3 [3]
Shelf Life [7]	N/A.	10 years [6]	N/A
Seam Strength	EN ISO 13935-2	>50 N	2/6 [1]

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN ISO 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 | <= Smaller than or equal to | N/A Not Applicable | * Based on lowest single value |

COMFORT

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	ISO 5636-5	Yes/- [5]	N/A
Air Permeability (Gurley method)	ISO 5636-5	< 45 /- s [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

2 According to EN 14126 | 5 Front Tyvek ® / Back | > Larger than | < Smaller than | <= Smaller than or equal to | 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 | <= Smaller than or equal to |

WARNING

The garment does not protect against ionizing radiation.

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.

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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