TDCHF5SWH00

Tyvek® 400 Dual

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.

Name	Description
Full Part Number	TDCHF5SWH00
Fabric / Material	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 & PRODUCT DETAILS

DuPont™ Tyvek® 400 Dual. Hooded coverall combining Tyvek® with an SMS nonwoven back panel. Available in white in sizes SM to 3X. 3-piece hood and gusset for optimal fit. Elasticated face, wrists, waist and ankles.
The Tyvek® Dual garment combines Tyvek® on the front with an SMS nonwoven on the back panel. The Tyvek® front provides an ideal balance of protection, durability and comfort. It is permeable to both air and water vapour, yet repels water-based liquids and aerosols. It offers an excellent barrier against fine particles and fibres down to 1 micron in size. It is ultra-low-linting and antistatically treated. Silicon non-added. The large, breathable back panel, made of SMS nonwoven, offers lower protection against particles (down to 3 microns in size) and light water-based splashes, yet high levels of comfort.
Tyvek® 400 Dual is designed for specific applications that demand comfort while helping to provide protection from frontal exposure during brick ceramic firing, foundries and smelting operations, paint spraying or any work involving composite materials, glass manufacturing, and utilities.

- 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

SIZES

Product Size	Article Number	Additional info
SM	D14809606	
MD	D14809610	
LG	D14809622	
XL	D14809637	
2X	D14809645	
3X	D14809658	

Physical Properties

Data relating to mechanical performance of the fabrics used in DuPont chemical protective clothing, listed for the selected garment according to the test methods and relevant European standard, if applicable. Such properties, including abrasion and flex-cracking resistance, tensile strength and puncture resistance can help in the assessment of protective performance.

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
Exposure to low Temperature	N/A	Flexibility retained down to -73 °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
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

Information relating to the protective performance of a garment according to European standards where applicable. Includes important characteristics such as protection against radioactive contamination, seam strength and shelf life. Inward leakage and resistance to penetration by liquids, according to the relevant Type classification, are also detailed.

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

The comfort of a protective garment during use is largely determined by its weight, its permeability to vapour and air (breathability) and insulating properties. Data on these attributes is provided according to test method and, as with other data, can be compared by garment.

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

A specific test method, EN ISO 6530, is used to measure the indexes of penetration, absorption and repellency of protective clothing material exposed to liquid chemicals. Results listed here reflect the penetration resistance and repellency of DuPont fabrics to 30% sulphuric acid and 10% sodium hydroxide.

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

CLEANILESS

Particle Shedding (Helmke Drum) and Bacterial Filtration Efficiency Data

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

Warnings

- 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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