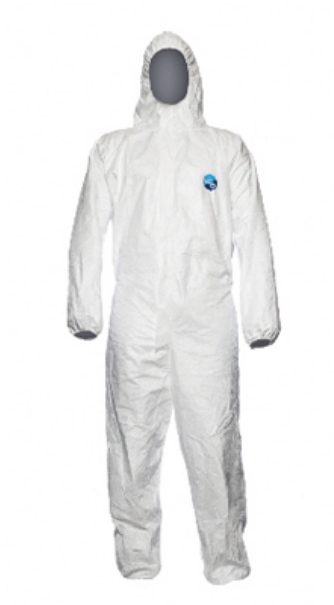
Technical data sheet

DuPont™ Tyvek® 400 Dual , *TDCHF5SWH00*

CAT III T5 T6 EN 1073-2 EN 1149-5



Product Description

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.

Certifications

- Certified according to Regulation (EU) 2016/425
- Chemical protective clothing, Category III, Type 5 and 6
- Antistatic treatment (EN 1149-5) - on inside

Packaging (Quantity/Box)

100 per box, individually packed.

Size	Article Number	Chest Girth(cm)	Body Height(cm)	Chest Girth(in)	Body Height(ft/in)
SM	D14809606	84-92	162-170	33-36	5'4"-5'7"
MD	D14809610	92-100	168-176	36-39	5'6"-5'9"
LG	D14809622	100-108	174-182	39-43	5'8"-6'0"
XL	D14809637	108-116	180-188	43-46	5'11"-5'2"
2X	D14809645	116-124	186-194	46-49	6'1"-6'4"
3X	D14809658	124-132	192-200	49-52	6'3"-6'7"

Reference Number: TDCHF5SWH00

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Physical Properties

Property	Test Method	Result	EN Class
Colour	N/A	White	N/A
Basis Weight	DIN EN ISO 536	41.5/43 g/m^2 [5]	N/A
Thickness	DIN EN ISO 534	140/- µm [5]	N/A
Abrasion Resistance [7]	EN 530 Method 2	>100 cycles	2 of 6 [1]
Flex Cracking Resistance [7]	EN ISO 7854 Method B	>100000 cycles	6 of 6 [1]
Flex Cracking Resistance at -30 °C	EN ISO 7854 Method B	>4000 cycles	N/A
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1 of 6 [1]
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1 of 6 [1]
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1 of 6 [1]
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1 of 6 [1]
Puncture Resistance	EN 863	>5 N	1 of 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	No antistatic treatment	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

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	Result	EN Class
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
Nominal protection factor [7]	EN 1073-2	>5	1 of 3 [3]
Seam Strength	EN ISO 13935-2	>50 N	2 of 6 [1]
Shelf Life [7]	N/A	10 years [6]	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	Result	EN Class
Air Permeability (Gurley method)	ISO 5636-5	Yes/- [5]	N/A
Air Permeability (Gurley method)	ISO 5636-5	27/- s [5]	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	11.3/- m^2*Pa/W [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 **N/A** Not Applicable

Penetration and Repellency

Property	Test Method	Result	EN Class
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3 of 3 [1]
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3 of 3 [1]
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3 of 3 [1]
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>90 %	2 of 3 [1]

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

Cleanliness

Property	Test Method	Result	EN Class
Dry Linting Propensity, outside	BS 6909	56/- Average particle count/17 liters of air [5]	N/A
Dry Linting Propensity, inside	BS 6909	128/- 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

Important Note

- 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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