



TD0125SWH00

# Tyvek® 400 DualCombi

DuPont™ Tyvek® 400 DualCombi. Collared coverall. Tyvek® at the front and large breathable spunbound polypropylene back panel. Stitched external seams in red. Elasticated wrists and ankles. Thumb hole on sleeve. Elasticated waist (stitched-in). Zipper and flap. White.

Name	Description
Full Part Number	TD0125SWH00
Fabric/Materials	TYVEK® DUAL
Design	Collared coverall with elastics, Tyvek® front, PP back
Seam	Stitched (external), red
Color	White
Sizes	SM, MD, LG, XL, 2X, 3X, 4X
Quantity/Box	25 per box, bulk packed.

## FEATURES & PRODUCT DETAILS

DuPont™ Tyvek® 400 DualCombi. Collared coverall combining Tyvek® with a spunbound polypropylene back panel. Available in sizes SM to 4X. Elasticated wrists, waist and ankles. Stitched external seams in red. Thumb hole on sleeve. White.

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 back panel from shoulders to ankle is made of spunbound polypropylene: it is breathable and offers high level of comfort but no protection.

Tyvek® 400 DualCombi is designed for work environment where comfort is important and exposure risk is limited to the front.

Typical application is the handling of composite materials, paint spraying, glass manufacturing and utilities.

- Certified according to Regulation (EU) 2016/425
- Partial body chemical protective clothing, Category III, Type PB [6]
- Stitched external seams for enhanced protection against penetration from the outside to the inside of the garment
- Nylon zipper with flap

## SIZES

Product Size	Article Number	Additional info
SM	D14681379	
MD	D14681380	
LG	D14681398	
XL	D14681400	
2X	D14681416	
3X	D14681422	
4X	D14681430	

## 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 <sup>7</sup>	EN 530 Method 2	>10 cycles	1/6 <sup>1</sup>
Basis Weight	DIN EN ISO 536	41.5 <sup>2</sup> <sup>5</sup>	N/A
Colour.	N/A (598)	White	N/A
Flex Cracking Resistance <sup>7</sup>	EN ISO 7854 Method B	>1000 cycles	1/6 <sup>1</sup>
Puncture Resistance	EN 863	>5 N	1/6 <sup>1</sup>
Resistance to water penetration	AATCC 127	>10 kPa <sup>5</sup>	N/A
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 (PPSH-249)	DIN EN ISO 534	140 µm <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



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
Seam Strength	EN ISO 13935-2	>30 N	1/6 <sup>1</sup>
Shelf Life <sup>7</sup>	N/A (598)	2 years <sup>6</sup>	N/A
Type PB 6: Partial Body Protection	EN 13034	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)	TAPPI T460	65 s <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



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	>80 %	1/3 <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	<10 %	1/3 <sup>1</sup>
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<5 %	2/3 <sup>1</sup>

1 According to EN 14325    > Larger than    < Smaller than



## **WARNING**

- The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.
- This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.