



TJ198T WH

# DuPont™ Tyvek® 800

DuPont™ Tyvek® model TY800. Coverall with hood. Serged and over-taped seams. Elastic thumb loops. Elastic wrists, ankles and face. Elastic waist (glued-in). Self-adhesive Tyvek® Storm flap. Self-adhesive chin flap. White.

Name	Description
Full Part Number	TJ198TWHxx0025yy (xx=size;yy=option code)
Fabric / Material	Tyvek® 800
Design	Hooded coverall
Seam	Taped
Color	White
Quantity/Box	25 per case
Sizes	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X
Option Codes	PI

## FEATURES & PRODUCT DETAILS

Tyvek® 800 garments combine resistance to low-concentration, water-based, inorganic chemicals (even under pressure) with the strength and durability of Tyvek® thanks to an innovative fabric technology and enhanced garment design. Developed to our highest standards, Tyvek® 800 coveralls are soft, comfortable and lightweight without compromising their level of durability. They are now available with serged and over-taped seams that provide the performance of Type 3/4/5/6 garments, which have been tested to standards against pressurized liquids, heavy liquid aerosols and airborne solid particles. The coveralls provide an effective barrier against many water-based inorganic chemicals in low concentration and particles (down to 1.0 micron in size), as well as oil repellency. Tyvek® 800 coveralls are suitable for applications such as industrial cleaning, chemical packaging and redistribution, waste treatment and disposal, and environmental remediation. Tyvek® 800 Type 3/4/5/6 coveralls offer the following safety and comfort benefits:

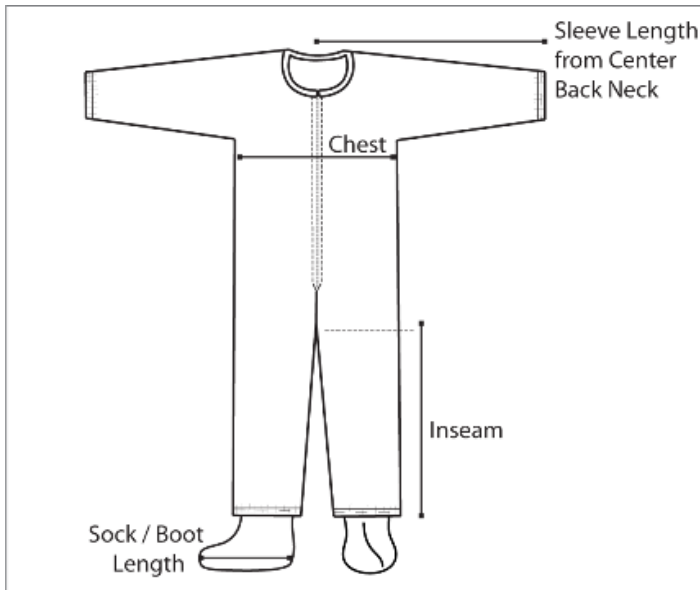
- Chemical protective clothing, Category III, Type 3-B, 4-B, 5-B and 6-B
- Protection against infective agents (EN 14126) including resistance to penetration by blood and body fluids using synthetic blood (ISO 16603) and resistance to penetration by blood-borne pathogens using Phi-X174 bacteriophage (ISO 16604)
- EN 1073-2 (protection against radioactive contamination)
- Fabric and seams offer chemical permeation barrier to low concentration water-based inorganic chemicals
- Serged and over-taped seams for protection and strength
- Self-adhesive chin flap for tight seal of suit to the mask
- Elastic face, wrists and ankles as well as glued-in waist elastic
- Elastic thumb loops keep sleeves in place

## AVAILABLE OPTIONS

Option Code	Description	Sizes	Part Number
PI	Packaged Individually	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X	TJ198TWHxx0025PI

## SPECIFICATIONS

- The garment shall be constructed of DuPont™ Tyvek® 800.
- The garment shall be white in color.
- The garment shall have a front Tyvek® 400 zipper closure with adhesive storm flap.
- The garment shall have elastic ankles and wrists.
- The garment shall have self-adhesive chin flap for tight seal of suit to the mask.
- The garment shall be a coverall design.
- The garment shall have a hood.
- The garment shall have serged and over taped seams.
- The garment shall have elastic thumb loops.
- The garment shall have an elastic waist.



**FINISHED DIMENSIONS**

<b>Size</b>	<b>Sleeve Length</b>	<b>Chest Width</b>	<b>Inseam</b>	<b>Fits Chest</b>	<b>Fits Height</b>	<b>Inner Glove Size</b>	<b>Outer Glove Size</b>
SM	33 7/8	22	31 1/2	30 - 36	5'0" - 5'7"	n/a	n/a
MD	34 5/8	24	31 7/8	36 - 39	5'6" - 5'9"	n/a	n/a
LG	35 7/8	26	32 1/4	39 - 43	5'8" - 6'0"	n/a	n/a
XL	37	28	33	43 - 46	5'11" - 6'2"	n/a	n/a
2X	38 1/4	30	33 1/2	46 - 49	6'1" - 6'4"	n/a	n/a
3X	39 3/8	32	34 1/4	49 - 52	6'3" - 6'7"	n/a	n/a
4X	40 5/8	34 1/2	34 1/4	52 - 55	6'7" - 6'10"	n/a	n/a
5X	41 7/8	36 1/2	34 1/4	55 - 58	6'10" - 7'1"	n/a	n/a
6X	43	38 1/2	35	58 - 61	6'10" - 7'1"	n/a	n/a
7X	44 1/8	40 1/2	35 3/4	61 - 64	6'10" - 7'1"	n/a	n/a

## **ADDITIONAL EQUIPMENT NEEDED**

- Wear other appropriate PPE such as, but not limited to, respiratory, eye, head, hand, and foot protection based on the hazard assessment.

## Physical Properties



Typical results relating to mechanical performance of the fabrics used in DuPont chemical protective clothing, listed for the selected garment according to the specified respective test methods can help in the assessment of protective performance.

Property	Test Method	Typical Result
Basis Weight	DIN EN ISO 536	59 g/m <sup>2</sup>
Puncture Resistance	EN 863	15 N
Tear Resistance - Trap Tear (MD)	EN ISO 9073-4	31 N
Tear Resistance - Trap Tear (CD)	EN ISO 9073-4	32 N
Tensile Strength (MD)	DIN EN ISO 13934-1	93 N
Tensile Strength (XD)	DIN EN ISO 13934-1	72 N
Resistance to Water Penetration	DIN EN 20811	>25 kPa (>100 inches H <sub>2</sub> O)
Surface Resistivity (25% RH), inside**	EN 1149-1	< 2.5 x 10 <sup>9</sup> ohms/square
Surface Resistivity (25% RH), outside**	EN 1149-1	No antistatic treatment
Wearing Apparel Flammability	16 CFR 1610	Class 1



## SPECIAL WARNINGS

- \*Serged and bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.
- Tyvek® 800 contains natural rubber latex which may cause allergic reactions in some sensitized individuals. Anyone who begins to exhibit an allergic response during the use of DuPont products should immediately cease using these products. The incident should also be reported to DuPont at 1-800-441-3637 so that an investigation can be initiated.
- \*\*Garments made using Tyvek® 400, Tyvek® 500, Tyvek® 600 and Tyvek® 800 fabrics will burn and possibly melt. None of these garments should be worn near heat, open flames, sparks or any other possible ignition source nor should they be worn in potentially explosive or flammable environments. If these garments do burn or melt while being worn, it may increase the severity of burn injuries even when worn over garments which are flame resistant, including, but not limited to, Nomex® IIIA or Nomex® Comfort garments.
- \*CAUTION: This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information. It is the user's responsibility to determine the nature and level of hazards and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact DuPont for specific data. These garments are intended for limited use and should be disposed of after single use. If fabric becomes torn, abraded or punctured, or if seams or closures fail, or if attached gloves, visors, etc are damaged, end user should discontinue use of garment to avoid potential exposure.

## CHEMICAL RESISTANCE

Hazard / Chemical Name	Cas Number	Phase	Normalized Break Through .
Acetic acid (10%)	64-19-7	Liquid	imm
Acetic acid (2%)	64-19-7	Liquid	imm
Acetic acid (30%)	64-19-7	Liquid	imm
Acetic acid (5%)	64-19-7	Liquid	imm
Ammonium hydroxide (16%)	1336-21-6	Liquid	imm
Carboplatin (10 mg/ml)	41575-94-4	Liquid	>240
Carmustine (3.3 mg/ml, 10 % Ethanol)	154-93-8	Liquid	>240
Caustic ammonia (16%)	1336-21-6	Liquid	imm
Caustic soda (10%)	1310-73-2	Liquid	>480
Caustic soda (50%)	1310-73-2	Liquid	>30
Cisplatin (1 mg/ml)	15663-27-1	Liquid	>240
Cyclo phosphamide (20 mg/ml)	50-18-0	Liquid	>240
Doxorubicin HCl (2 mg/ml)	25136-40-9	Liquid	>240
Ethane 1,2-diol	107-21-1	Liquid	imm
Ethanol	64-17-5	Liquid	imm
Ethyl alcohol	64-17-5	Liquid	imm
Ethylene glycol	107-21-1	Liquid	imm
Etoposide (Toposar®, Teva) (20 mg/ml, 33.2 % (v/v) Ethanol)	33419-42-0	Liquid	>240
Fluorouracil, 5- (50 mg/ml)	51-21-8	Liquid	>240
Formaldehyde (10%)	50-00-0	Liquid	imm
Formalin (10%)	50-00-0	Liquid	imm
Gemcitabine (38 mg/ml)	95058-81-4	Liquid	>240
Glycol alcohol	107-21-1	Liquid	imm
Hydrochloric acid (16%)	7647-01-0	Liquid	imm
Hydrochloric acid (32%)	7647-01-0	Liquid	imm
Hydrofluoric acid (10%)	7664-39-3	Liquid	imm
Ifosfamide (50 mg/ml)	3778-73-2	Liquid	>240
Isopropanol	67-63-0	Liquid	imm
Isopropanol (70%)	67-63-0	Liquid	imm
Isopropyl alcohol	67-63-0	Liquid	imm

Hazard / Chemical Name	Cas Number	Phase	Normalized Break Through .
Isopropyl alcohol (70%)	67-63-0	Liquid	imm
Methotrexate (25 mg/ml, 0.1 N NaOH)	59-05-2	Liquid	>240
Mitomycin (0.5 mg/ml)	50-07-7	Liquid	>240
Nitric acid (30%)	7697-37-2	Liquid	imm
Oxaliplatin (5 mg/ml)	63121-00-6	Liquid	>240
Paclitaxel (Hospira) (6 mg/ml, 49.7 % (v/v) Ethanol)	33069-62-4	Liquid	>240
Phosphoric acid (50%)	7664-38-2	Liquid	>480
Potassium hydroxide (40%)	1310-58-3	Liquid	>120
Propan -2-ol	67-63-0	Liquid	imm
Propan -2-ol (70%)	67-63-0	Liquid	imm
Sodium hydroxide (10%)	1310-73-2	Liquid	>480
Sodium hydroxide (50%)	1310-73-2	Liquid	>30
Sodium hypochlorite (10-15 % active chlorine)	7681-52-9	Liquid	>480
Sodium hypochlorite (5.25-6%)	7681-52-9	Liquid	>480
Spiritus	64-17-5	Liquid	imm
Sulfuric acid (18%)	7664-93-9	Liquid	>480
Sulfuric acid (30%)	7664-93-9	Liquid	>480
Thiotepa (10 mg/ml)	52-24-4	Liquid	>240

BT0.1 Normalized breakthrough time at 0.1 µg/cm<sup>2</sup>/min [mins] CAS Chemical abstracts service registry number min Minute > Larger than < Smaller than imm Immediate (< 10 min) nm Not tested sat Saturated solution N/A Not Applicable na Not attained GPR grade General purpose reagent grade \* Based on lowest single value 8 Actual

breakthrough time; normalized breakthrough time is not available DOT5 Degradation after 5 min DOT30 Degradation after 30 min DOT60 Degradation after 60 min DOT240 Degradation after 240 min BT1383 Normalized breakthrough time at 0.1  $\mu\text{g}/\text{cm}^2/\text{min}$  [mins] acc. ASTM F1383

Important Note.