



TY198S WH

DuPont™ Tyvek® 500

DuPont™ Tyvek® 500, model TY198S. Coverall with hood. Serged external seams. Elastic wrists, ankles and face. Elastic waist (glued-in). Storm Flap. White.

Name	Description
Full Part Number	TY198SWHxx0025yy (xx=size;yy=option code)
Fabric / Material	Tyvek® 500
Design	Hooded coverall
Seam	Serged (external)
Color	White
Quantity/Box	25 per case
Sizes	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X
Option Codes	LA

FEATURES & PRODUCT DETAILS

Tyvek® 500 garments are composed of flash spun high density polyethylene which creates a unique, nonwoven material available only from DuPont. Tyvek® garments provide an ideal balance of protection, durability and comfort. They are now available with external serged seams that provide the performance of Type 5/6 garments, which have been tested to standards against light liquid aerosols and airborne solid particles. The coveralls provide an effective barrier against particles (down to 1.0 micron in size). Tyvek® 500 coveralls are suitable for applications such as pharmaceutical handling, chemical processing, automatic spray painting, maintenance and many others. Tyvek® 500 Type 5/6 coveralls offer the following safety and comfort benefits:

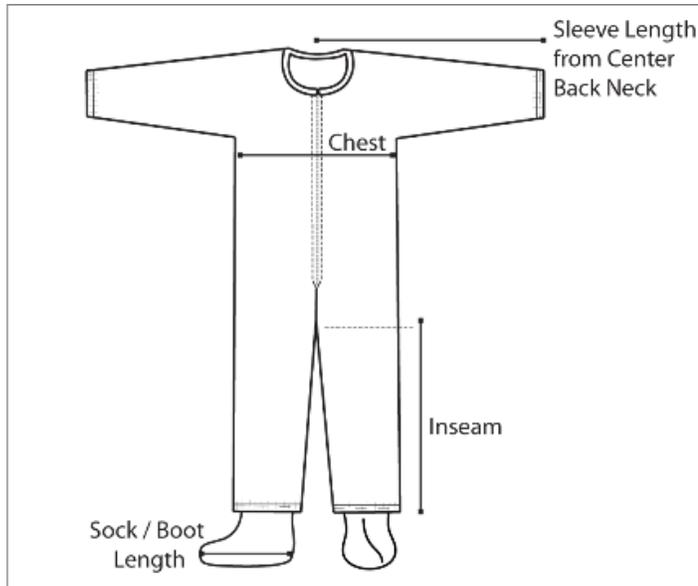
- Chemical protective clothing, Category III, Type 5-B and 6-B
- EN 1073-2 (protection against radioactive contamination)
- Protection against infective agents (EN 14126) including resistance to penetration by blood and body fluids using synthetic blood (ISO 16603)
- Antistatic treatment (EN 1149-5) - on both sides
- Serged external seams featuring patent-pending technology for enhanced liquid spray tightness
- Very low inward leakage due to optimized design
- Tyvek® auto-lock zipper and storm flap for increased protection
- Elastic face, wrists and ankles as well as glued-in waist elastic

AVAILABLE OPTIONS

Option Code	Description	Sizes	Part Number
LA	Standard	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X	TY198SWHxx0025LA

SPECIFICATIONS

- The garment shall be constructed of DuPont™ Tyvek® 400-- a patented flash-spun polyethylene fabric.
- The garment shall be white in color.
- The garment shall have serged external seams.
- The garment shall have elastic ankles and wrists.
- The garment shall have a hood.
- The garment shall have a front zipper closure with adhesive storm flap.
- The garment shall be a coverall design.
- The garment shall have an elastic waist.



FINISHED DIMENSIONS

Size	Sleeve Length	Chest Width	Inseam	Fits Chest	Fits Height	Inner Glove Size	Outer Glove Size
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
Thickness	DIN EN ISO 534	140 µm
Basis Weight	DIN EN ISO 536	41.5 g/m ²
Burst Strength - Mullen	ISO 2758	345 kPa
Tear Resistance - Trap Tear (MD)	EN ISO 9073-4	27 N
Tear Resistance - Trap Tear (CD)	EN ISO 9073-4	20 N
Tensile Strength (MD)	DIN EN ISO 13934-1	82 N
Tensile Strength (XD)	DIN EN ISO 13934-1	68 N
Hydrostatic Head	AATCC 127	48 inches H ₂ O
Surface Resistivity (25°C / 55% RH)	ASTM D257	< 6.3 x 10 ⁹ ohms/square
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.
- *Liquid barrier performance varies based on the amount of liquid that may get on the garment, the length of time the liquid is on the garment, applied pressure and certain physical properties of the liquid. Tyvek®400, Tyvek® 400 D, ProShield®, ProShield® 10, ProShield® 60, Tyvek® 400 FC, and ProShield® 70 garments are not appropriate if during use they are getting wet (liquid is dripping or running, or it is wet to the touch) or if spotting is observed on skin or garments worn under the protective garment. Tyvek® 500 and Tyvek® 600 offer improved liquid barrier, but may not be appropriate if spotting is observed on the skin or garments worn under the protective garment. In applications where a higher liquid barrier is needed, consider Tychem® 2000 and Tychem® 4000 garments with taped seams.
- Tyvek® 500 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 (30%)	64-19-7	Liquid	imm
Ammonium hydroxide (16%)	1336-21-6	Liquid	imm
Ammonium hydroxide (28% - 30%)	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	imm
Caustic ammonia (16%)	1336-21-6	Liquid	imm
Caustic ammonia (28% - 30%)	1336-21-6	Liquid	imm
Caustic soda (10%)	1310-73-2	Liquid	>480
Caustic soda (40%)	1310-73-2	Liquid	>30
Caustic soda (50%)	1310-73-2	Liquid	>30
Caustic soda (>95%, solid)	1310-73-2	Solid	>480
Cisplatin (1 mg/ml)	15663-27-1	Liquid	>240
Cyclo phosphamide (20 mg/ml)	50-18-0	Liquid	>240
Dimethyl sulfate	77-78-1	Liquid	imm
Doxorubicin HCl (2 mg/ml)	25136-40-9	Liquid	>240
Ethane 1,2-diol	107-21-1	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	imm
Formic acid (30%)	64-18-6	Liquid	imm
Ganciclovir (3 mg/ml)	82410-32-0	Liquid	>240
Gemcitabine (38 mg/ml)	95058-81-4	Liquid	>60
Glycerine	56-81-5	Liquid	>480
Glycerol	56-81-5	Liquid	>480
Glycol alcohol	107-21-1	Liquid	imm
Hydrochloric acid (16%)	7647-01-0	Liquid	imm
Hydrochloric acid (32%)	7647-01-0	Liquid	imm
Hydrogen peroxide (10%)	7722-84-1	Liquid	>10
Hydrogen peroxide (30%)	7722-84-1	Liquid	imm
Ifosfamide (50 mg/ml)	3778-73-2	Liquid	imm

Hazard / Chemical Name	Cas Number	Phase	Normalized Break Through .
Irinotecan (20 mg/ml)	100286-90-6	Liquid	>240
Methotrexate (25 mg/ml, 0.1 N NaOH)	59-05-2	Liquid	>240
Mitomycin (0.5 mg/ml)	50-07-7	Liquid	>240
Nicotine (9 mg/ml)	54-11-5	Liquid	>480
Nitric acid (10%)	7697-37-2	Liquid	>120
Nitric acid (30%)	7697-37-2	Liquid	imm
Oxaliplatin (5 mg/ml)	63121-00-6	Liquid	imm
Paclitaxel (Hospira) (6 mg/ml, 49.7 % (v/v) Ethanol)	33069-62-4	Liquid	>240
Phosphoric acid (50%)	7664-38-2	Liquid	>480
Potassium chromate (sat)	7789-00-6	Liquid	>480
Potassium hydroxide (40%)	1310-58-3	Liquid	imm
Propane -1,2,3-triol	56-81-5	Liquid	>480
Sodium acetate (sat)	127-09-3	Liquid	>480
Sodium chloride (9 g/l)	7647-14-5	Liquid	>240
Sodium hydroxide (10%)	1310-73-2	Liquid	>480
Sodium hydroxide (40%)	1310-73-2	Liquid	>30
Sodium hydroxide (50%)	1310-73-2	Liquid	>30
Sodium hydroxide (>95%, solid)	1310-73-2	Solid	>480
Sodium hypochlorite (10-15 % active chlorine)	7681-52-9	Liquid	>240
Sodium hypochlorite (5.25-6%)	7681-52-9	Liquid	>480
Sulfuric acid (18%)	7664-93-9	Liquid	>240
Sulfuric acid (30%)	7664-93-9	Liquid	>240
Sulfuric acid (50%)	7664-93-9	Liquid	>30
Sulfuric acid dimethyl ester	77-78-1	Liquid	imm
Thiotepa (10 mg/ml)	52-24-4	Liquid	imm
Vincristine sulfate (1 mg/ml)	2068-78-2	Liquid	>240
Vinorelbine (0.1 mg/ml)	71486-22-1	Liquid	>240

BT0.1 Normalized breakthrough time at 0.1 µg/cm²/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.