DUPONT™ TYVEK® 500 HP

TECHNICAL DATA SHEET

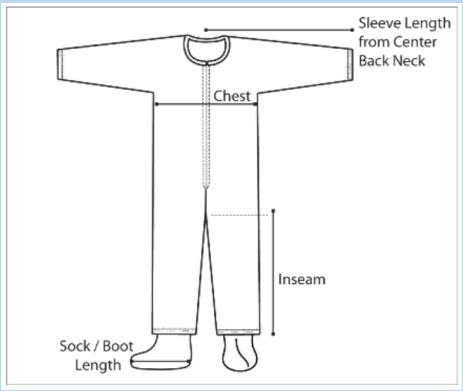


PRODUCT INFORMATION

DuPont™ Tyvek® 500 HP (Harness Protection) TY178S HP coverall with four D-Ring sleeves attached to the garment. Ergonomic, protective design – patent pending. Multiple access points to the full-body harness (worn underneath the garment) through four elasticized D-Ring sleeves: one in the front, one in the back, and one on each side of the garment. Off-centered zipper entry to accommodate the front D-Ring sleeve for front D-Ring connection. 3-piece hood. Stitched seams. Elasticated wrists, ankles, waist, and hood. Thumb loops made of Tyvek® fabric. Pin Lock Slider Zipper Pull.White.

ATTRIBUTES

Full Part Number	TY178SWHxx0025yy (xx=size;yy=option code)
Fabric /Materials	Tyvek® 500
Design	Hooded coverall with thumb loops, Harness Protection system with four D-Ring sleeves attached to the garment, off-centered zipper entry
Seam	Stitched
Color	White
Quantity /Box	25 per case, individually packed
Sizes	SM, MD, LG, XL, 2X, 3X, 4X, 5X
Option Codes	HP



SIZE TABLE

SIZE	SLEEVE LENGTH	CHEST WIDTH	INSEAM	FITS CHEST	FITS HEIGHT
SM	36 1/2	23 3/4	31 1/2	34 1/4 - 37 3/4	5'0" - 5'7"
MD	37 1/4	25 3/4	32 1/2	38 1/4 - 41 3/4	5'3" - 5'7"
LG	38 1/2	27 3/4	33 1/4	42 1/4 - 45 3/4	5'5" - 5'9"
XL	39 3/4	29 3/4	34	46 1/4 - 49 3/4	5'8" - 6'2"
2X	40 3/4	31 1/2	34 3/4	49 3/4 - 53 1/4	6'0" - 6'4"
3X	42	33 1/2	35 1/2	53 3/4 - 57 1/4	6'2" - 6'4"
4X	42 1/2	35 1/2	35 1/2	57 3/4 - 61 1/4	6'4" - 6'7"
5X	42 3/4	37 1/2	35 3/4	61 3/4 - 65 1/4	6'7" - 6'10"

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PHYSICAL PROPERTIES

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_2O
Surface Resistivity (23°C / 25% RH).	EN 1149-1	<2.5 x 10^9 ohms
Wearing Apparel Flammability	16 CFR 1610	Class 1

WARNING

**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 level of toxicity 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 informational 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 permeation rates than the fabric. Please contact DuPont for specific data. 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 to chemical. Since conditions of use are outside our control, we make no warranties, express or implied, including, without limitation, no warranties of merchantability or fitness for a particular use and assume no liability in connection with any use of this information. This information is not intended as a license to operate under or a recommendation to infringe any patent or technical information of DuPont or others covering any material or its use.
*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.
*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.
*This garment does not protect against ionizing radiation.

WARNING

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*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 products manufactured before January 2023 did contain 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 (888) 439-2988 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.

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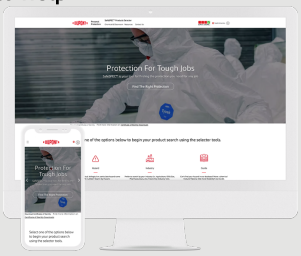
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DuPont™ SafeSPEC™ - We're here to help

Our powerful web-based tool can assist you with finding the appropriate DuPont garments for chemical and controlled environment hazards.



DuPont Personal Protection SafeSPEC™

DuPont Personal Protection

DuPont Personal Protection

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