DUPONT™ TYVEK® 400

TECHNICAL DATA SHEET

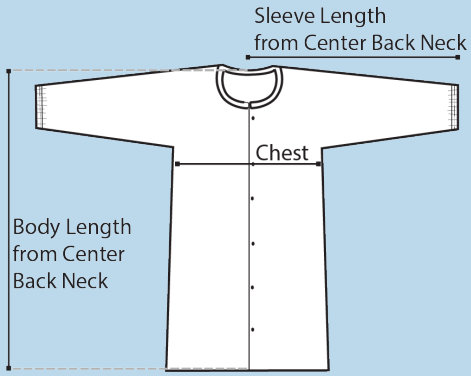


PRODUCT INFORMATION

DuPont™ Tyvek® 400 Lab Coat. Robust protection against fine particles and light liquid splash in a breathable, lightweight garment. White lab coat extends below hip and features open wrists, a laydown collar, two pockets, serged seams, and front snap closures for easy donning and doffing. Suitable for a variety of applications, including laboratory and pharmaceutical handling.

ATTRIBUTES

Full Part Number	TY212SWHxx0030yy (xx=size;yy=option code)
Fabric/Materials	TYVEK® 400
Design	Lab Coat
Seam	Serged
Color	White
Quantity/Box	30 per case
Sizes	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X
Option Codes	00,NF,VP



SIZE TABLE

SIZE	SLEEVE LENGTH	CHEST WIDTH	FITS CHEST	FITS HEIGHT	BODY LENGTH
SM	30 1/2	22 3/4	32 1/4 - 35 3/4	5'0" - 5'7"	31
MD	32	24 1/4	35 1/4 - 38 3/4	5'3" - 5'7"	34
LG	33	25 3/4	38 1/4 - 41 3/4	5'5" - 5'9"	36 1/2
XL	34 1/2	27 1/2	41 3/4 - 45 1/4	5'8" - 6'2"	39
2X	35 1/2	28 3/4	44 1/4 - 47 3/4	6'0" - 6'4"	41 3/4
3X	37	31	48 3/4 - 52 1/4	6'2" - 6'4"	44 1/2
4X	37 3/4	32 3/4	52 1/4 - 55 3/4	6'4" - 6'7"	47 1/4
5X	38 3/4	34 1/2	55 3/4 - 59 1/4	6'7" - 6'10"	50
6X	39 1/2	36 1/4	59 1/4 - 62 3/4	6'9" - 7'1"	52 3/4
7X	40 1/2	38	62 3/4 - 66 1/4	7'0" - 7'4"	55 1/2

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PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT
Thickness	ASTM D1777	5.9 mils
Basis Weight	ASTM D3776	1.2 oz/yd_2
Burst Strength - Mullen	ASTM D774	50 psi
Seam Strength	ASTM D1683	> 19 lb_f
Breaking Strength - Grab (MD)	ASTM D5034	18 lb_f/in
Breaking Strength - Grab (CD)	ASTM D5034	22 lb_f/in
Hydrostatic Head	AATCC 127	45 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

*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® 600 and Tyvek® 500 fabric have different fabric physical properties and improved chemical resistance properties than standard Tyvek® 400 garments.
**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.

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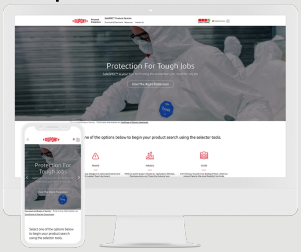
Tyvek® friction-coated shoe covers or Tyvek® garments with attached friction-coated skid-resistant shoe covers might contain silicone in the shoe-cover. This includes styles TY122, TY121, FC450 and FC454. End users who are consuming these styles and who have concerns about silicone contamination should conduct their own testing to ensure they are suitable for their application(s).
As of January 2023, all DuPont Personal Protection products are manufactured under specifications that exclude components containing natural rubber latex. Tyvek® 500, Tyvek® 600 and Tyvek® 800 styles made before January 2023 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 and should report it to DuPont at +1 (888) 439-2988 so that an investigation can be initiated.

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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