



PRODUCT INFORMATION

DuPont™ Tyvek® 500 HV. Collared coverall. Ergonomic-protective design. Stitched external seams. Elasticated wrists and ankles. Elasticated waist (glued-in). Tyvek® zipper and flap. Fluorescent orange with grey reflective bands.

ATTRIBUTES

Full Part Number	TY0125SHVPI
Fabric/Materials	Tyvek® 500 HV Orange
Design	Collared coverall with elastics
Seam	Stitched (external)
Color	Orange
Quantity/Box	25 per box, individually packed

FEATURES

- Chemical protective clothing, Category III, Type 5-B and 6-B
- EN 14126 (barrier to infective agents), EN 1073-2 (protection against radioactive contamination), **EN ISO 20471 (High Visibility Clothing, Class 3)**
- Antistatic treatment (EN 1149-5) - on inside
- Stitched external seams
- Very low inward leakage thanks to optimised design
- Tyvek® auto-lock zipper and zipper flap for increased protection

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance ⁷	EN 530 Method 2	>100 cycles	2 of 6 ¹
Basis Weight	DIN EN ISO 536	46 g/m ²	N/A
Colour	N/A	Fluorescent Orange	N/A
Flex Cracking Resistance ⁷	EN ISO 7854 Method B	>15000 cycles	4 of 6 ¹
Puncture Resistance	EN 863	>10 N	2 of 6 ¹
Surface Resistance at RH 25%, inside ⁷	EN 1149-1	< 2,5 · 10 ⁹ Ohm	N/A
Surface Resistance at RH 25%, outside ⁷	EN 1149-1	No antistatic treatment	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>60 N	2 of 6 ¹
Tensile Strength (XD)	DIN EN ISO 13934-1	>60 N	2 of 6 ¹
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1 of 6 ¹
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1 of 6 ¹

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

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Nominal protection factor ⁷	EN 1073-2	>5	1 of 3 ³

TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Seam Strength	EN ISO 13935-2	>75 N	3 of 6 ¹
Shelf Life ⁷	N/A	5 years ⁶	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass ⁷	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	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

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	ISO 5636-5	Yes	N/A
Air Permeability (Gurley method)	ISO 5636-5	<300 s	N/A

2 According to EN 14126 | 5 Front Tyvek® / Back | > Larger than | < Smaller than | N/A Not Applicable |

PENETRATION AND REPELLENCY

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>95 %	3 of 3 ¹
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3 of 3 ¹
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3 of 3 ¹
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3 of 3 ¹

1 According to EN 14325 | > Larger than | < Smaller than |

BIOLOGICAL BARRIER

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Biologically Contaminated Aerosols	ISO/DIS 22611	log ratio >5	3 of 3 ²
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	Pass	2 of 6 ²
Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174	ISO 16604 Procedure D	undetermined	N/A
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	Pass	1 of 6 ²
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	log cfu <1	3 of 3 ²

1 According to EN 14325 | > Larger than | < Smaller than |

HIGH VISIBLTY CLOTHING

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Chromaticity coordinates xy	EN ISO 20471	Pass	N/A
Design conception	EN ISO 20471	Pass	N/A
High visibility and reflective tape surfaces	EN ISO 20471	Pass	3 of 3 ¹⁴
Luminance β	EN ISO 20471	Pass	N/A
Photometric performance	EN ISO 20471	Pass	N/A

14 According to EN ISO 20471 |

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

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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.

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