DUPONT™ TYVEK® 500 HV

TECHNICAL DATA SHEET

CAT III

T5

T6

ENISO 20471

EN 1073-2

EN 1149-5

EN 14126

PRODUCT INFORMATION

DuPont™ Tyvek® 500 HV TY127S XG. Robust yet lightweight protection providing an excellent barrier against fine particles and low-level sprays in a high visibility hooded coverall. Features stitched external seams, a respirator fit two-piece hood, grey retroreflective bands creating a symmetric "X" on the back of the coverall distinguishing rearward and forward orientation of the wearer, an ergonomic design, elasticated wrists, ankles, face and waist (glued-in), and a Tyvek® zipper with a pin lock slider zipper pull and a storm flap. Biomotion taping of retroreflective bands around movable joints further enhances visibility. Suitable for a variety of applications including rail, road, mining, waste handling, underground operations, ports, airports, and construction.

ATTRIBUTES

Full Part Number	TY0127SHVXG
Fabric/Materials	Tyvek® 500 HV
Design	Hooded coverall with elastics
Seam	Stitched (external)
Color	Fluorescent orange
Sizes	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X
Quantity/Box	25 per box, individually packed

FEATURES

- Certified according to Regulation (EU) 2016/425.
- 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), RIS-3279-TOM Issue 2
- X-crossed bands on the back to distinguish rearward and forward orientation of the wearer, as well as bands above the elbows, wrists, knees, and ankles for added protection
- Antistatic treatment (EN 1149-5) - on inside
- Stitched external seams.
- Very low inward leakage thanks to optimised design.
- Auto-lock zipper made with Tyvek® material and Tyvek® flap for increased protection
- All-in-one solution: high-visibility (to the highest class), chemical, biological and antistatic protections in one coverall
- Hood designed to fit a respirator
- Durability & breathability of Tyvek® non-woven fabric
- Ideal for use in dangerous environments involving exposure to water-based liquids and aerosols, as well as fine particles and fibers, this garment is designed to help protect in darkness or poor weather conditions

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15576904	
MD	D15576905	
LG	D15576906	
XL	D15576907	
2X	D15576908	
3X	D15576909	
4X	D15576910	MTO
5X	D15576911	MTO

DUPONT™ TYVEK® 500 HV

TECHNICAL DATA SHEET

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
6X	D15576942	MTO

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance [7]	EN 530 Method 2	>100 cycles	2/6 [1]
Basis Weight	DIN EN ISO 536	47 g/m^2	N/A
Colour	N/A.	Fluorescent Orange (RIS-3279-TOM)	N/A
Flex Cracking Resistance [7]	EN ISO 7854 Method B	>15000 cycles	4/6 [1]
Puncture Resistance	EN 863	>10 N	2/6 [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	>30 N	1/6 [1]
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1/6 [1]
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1/6 [1]

1 According to EN 14325 | 2 According to EN 14126 | 3 According to EN 1073-2 | 4 According to EN ISO 14116 | 12 According to EN ISO 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 | <= Smaller than or equal to | N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass [7]	N/A
Type 5: Inward Leakage [11]	EN ISO 13982-2	2.0 %	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A
Nominal protection factor [7]	EN 1073-2	>5	1/3 [3]
Shelf Life [7]	N/A	5 years [6]	N/A
Seam Strength	EN ISO 13935-2	>75 N	3/6 [1]

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN ISO 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 | <= Smaller than or equal to | N/A Not Applicable | * Based on lowest single value |

COMFORT

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	TAPPI T460	200 s	N/A

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

PENETRATION AND REPELLENCY

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

DUPONT™ TYVEK® 500 HV

TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3/3 [1]

1 According to EN 14325 | > Larger than | < Smaller than | <= Smaller than or equal to |

BIOLOGICAL BARRIER

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Biologically Contaminated Aerosols	ISO/DIS 22611	Pass	2/3 [2]
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	1,75 kPa	2/6 [2]
Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174	ISO 16604	undetermined	undetermined
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	<= 15 min	1/6 [2]
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	log cfu <1	3/3 [2]

1 According to EN 14325 | > Larger than | < Smaller than | <= Smaller than or equal to |

HIGH VISIBILTY CLOTHING

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

14 According to EN ISO 20471 |

WARNING

The garment does not protect against ionizing radiation.

This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.

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 otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights..

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

CREATED ON: FEBRUARY 27, 2026

© 2024 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™,℠ or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.