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. Hooded coverall. Ergonomic-protective design. Respirator fit hood. Elasticated wrists and ankles and waist. Zipper made with Tyvek® material, Tyvek® flap. Fluorescent orange with grey retroreflective bands. Retroreflective bands create a symmetric "X" on the back of the coverall distinguishing rearward and forward orientation of the wearer. Stitched external seams.

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
6X	D15576942	MTO

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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 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 | <= Smaller than or equal to | N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Nominal protection factor [7]	EN 1073-2	>5	1/3 [3]
Seam Strength	EN ISO 13935-2	>75 N	3/6 [1]
Shelf Life [7]	N/A	5 years [6]	N/A
Type 5: Inward Leakage [11]	EN ISO 13982-2	2.0 %	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 | <= 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]
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

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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.

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

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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