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. 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	TY0125SHV00
Fabric/Materials	Tyvek® 500 HV
Design	Collared coverall with elastics
Seam	Stitched (external)
Color	Orange
Sizes	SM, MD, LG, XL, 2X, 3X

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 1**
- Antistatic treatment (EN 1149-5) - on inside
- Stitched external seams
- Very low inward leakage thanks to optimised design

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15522180	
MD	D15522181	
LG	D15522182	
XL	D15522183	
2X	D15522184	
3X	D15522185	

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	46 g/m^2	N/A
Colour	N/A	Fluorescent Orange (GO/RT 3279)	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]

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TECHNICAL DATA SHEET

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
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 | 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 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 %	3/3 [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 |

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 Procedure C	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 |

HIGH VISIBILTY CLOTHING

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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	3/3 [14]
Luminance ß	EN ISO 20471	Pass	N/A
Photometric performance	EN ISO 20471	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.

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