DUPONT™ TYVEK® 400 DUAL TG

TECHNICAL DATA SHEET

CAT III

T5

T6

EN 1073-2

EN 1149-5



PRODUCT INFORMATION

DuPont™ Tyvek® 400 Dual TG. Hooded coverall. Tyvek® at the front and large breathable SMS at the back. Stitched seams which are also taped on the upper body: underarms and wrists where Tyvek® under gloves are attached. Attached Tyvek® socks. Elasticated hood. Elasticated waist (stitched-in). Tyvek® zipper and flap. Chin flap with adhesive tape. White.

ATTRIBUTES

Full Part Number	TD148SWHTG
Fabric /Materials	Tyvek® 500 / SMS
Design	Hooded coverall with attached Tyvek® under gloves and attached Tyvek® socks, Tyvek® front, SMS back
Seam	Stitched seams which are also taped on the upper body: underarms and wrists
Color	White
Sizes	SM, MD, LG, XL, 2X, 3X
Quantity /Box	25 per box, bulk packed.

FEATURES

- Certified according to Regulation (EU) 2016/425
- Chemical protective clothing, Category III, Type 5 and 6.
- Antistatic treatment (EN 1149-5) - on both sides
- Adapted wrist protection with the attached Tyvek® under gloves
- Enhanced protection of ankles and feet with the attached Tyvek® socks
- Modified hood for a better fit with respiratory helmets

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15566856	
MD	D15566857	
LG	D15566858	
XL	D15566859	
2X	D15566860	
3X	D15566861	

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	41.5 g/m^2 [5]	N/A
Colour (PPSH-51)	N/A.	White	N/A
Exposure to high Temperature	N/A.	Melting point ~135 °C	N/A
Flex Cracking Resistance [7]	EN ISO 7854 Method B	>100000 cycles	6/6 [1]

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Flex Cracking Resistance at -30°C	EN ISO 7854 Method B	>4000 cycles	N/A
Puncture Resistance	EN 863	>5 N	1/6 [1]
Resistance to water penetration	DIN EN 20811	>10 kPa [5]	N/A
Surface Resistance at RH 25%, inside [7]	EN 1149-1	< $2,5 \cdot 10^9$ Ohm	N/A
Surface Resistance at RH 25%, outside [7]	EN 1149-1	< $2,5 \cdot 10^9$ Ohm	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]
Thickness (PPSH-249)	DIN EN ISO 534	150 µm [5]	N/A
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	>50 N	2/6 [1]
Shelf Life [7]	N/A.	5 years [6]	N/A
Type 5: Inward Leakage [11]	EN ISO 13982-2	5.0 %	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass	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/- [5]	N/A
Air Permeability (Gurley method)	ISO 5636-5	< 45 /- s [5]	N/A
Thermal Resistance, Rct	EN 31092/ISO 11092	$16.3*10^{-3}$/- m^2*K/W [5]	N/A
Thermal Resistance, clo value	EN 31092/ISO 11092	0.105/- clo [5]	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	11.3/- m^2*Pa/W [5]	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	>90 %	2/3 [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 |

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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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