DUPONT™ TYVEK® APX™ 400

TECHNICAL DATA SHEET

CAT III

T5

T6

EN 1073-2

EN 1149-5

EN 14126



PRODUCT INFORMATION

DuPont™ Tyvek® APX™ 400 TA198S. New generation of Tyvek® for PPE. Robust yet lightweight protection providing a barrier against fine particles and low-level sprays in an extremely breathable white hooded coverall made with the innovative new Tyvek® APX™ fabric. Features stitched external seams, a respirator fit three-piece hood, thumb loops, 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. Suitable for a variety of applications including pharmaceutical handling, chemical processing, general maintenance, and spray painting.

ATTRIBUTES

Full Part Number	TA198SWH00
Fabric/Materials	Tyvek® APX™ 400
Design	Hooded coverall with elastics and thumb loops
Seam	Stitched (external)
Color	White
Sizes	SM, MD, LG, XL, 2X, 3X
Quantity/Box	25 per box, individually packed.

FEATURES

- Certified according to Regulation (EU) 2016/425
- Chemical protective clothing, Category III, Type 5-B (EN ISO 13982-1) and 6-B (EN 13034)
- Antistatic treatment (EN 1149-5) - on both sides.
- Barrier to infective agents (EN 14126)
- Protection against radioactive contamination (EN 1073-2)
- Suitable for use in GMP class C/D (ISO Class 6-9) clean rooms
- Tyvek® thumb loops for improved sleeve fit.
- Tyvek® zipper and zipper flap for enhanced protection
- Extremely breathable all around
- 360° protection and durability of Tyvek® fabric
- Boxes of 25 eaches without value packs contributing to less plastic waste; individual bags based on post-consumer recycled content

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15582416	
MD	D15582417	
LG	D15582418	
XL	D15582419	
2X	D15582420	
3X	D15582421	

PHYSICAL PROPERTIES

DUPONT™ TYVEK® APX™ 400

TECHNICAL DATA SHEET

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	N/A
Colour	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]
Puncture Resistance	EN 863	>10 N	2/6 [1]
Resistance to water penetration	AATCC 127	>10 kPa	N/A
Charge Decay (t_{50})	EN 1149-3	< 4 s	N/A
Tensile Strength (MD)	EN ISO 13934-1	>60 N	2/6 [1]
Tensile Strength (XD)	EN ISO 13934-1	>60 N	2/6 [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	N/A
Nominal protection factor [7]	EN 1073-2	>50	2/3 [3]
Seam Strength	EN ISO 13935-2	>75 N	3/6 [1]
Shelf Life [7]	N/A.	10 years [6]	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A
Type 5: Inward Leakage [11]	EN ISO 13982-2	1%	N/A

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	<10 s	N/A
Water Vapour Resistance, Ret	EN ISO 11092	≤ 6 m^2· Pa/W	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

DUPONT™ TYVEK® APX™ 400

TECHNICAL DATA SHEET

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

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Biologically Contaminated Aerosols	ISO/DIS 22611	1 < log ratio < 3	1/3 [2]
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	3,5 kPa	3/6 [2]
Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174	ISO 16604	No classification	N/A
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	≤ 15 min	1/6 [2]
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	2 < log cfu < 3	1/3 [2]

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

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.

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CREATED ON: SEPTEMBER 23, 2026

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