Technical Data Sheet

Tyvek® 400, Model TY198S WH

CATIII T5 T6 EN 1073-2 EN 1149-5

Tyvek® 400

DuPont™ Tyvek® 400, model TY198S WH. Hooded coverall. Stitched external seams. Elastication at wrists, ankles and face. Elastication at waist (glued-in). Tyvek® zipper and flap. White.

Certifications

- Limited-Use protective clothing, Type 5 and 6 Protection
- EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on both sides
- Stitched external seams for enhanced protection against penetration from the outside to the inside of the garment
- Tyvek® zipper and zipper flap for enhanced protection

Packaging(Quantity/Box)

100 per box, individually packed

Full Part Number: TYVCHF5SWHA0

PHYSICAL PROPERTIES

Property	Test Method	Typical Result	EN
Abrasion Resistance [7]	EN 530 Method 2	>100 cycles	2 of 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
Exposure to low Temperature	N/A	Flexibility retained down to -73°C	N/A
Flex Cracking Resistance [7]	EN ISO 7854 Method B	>100000 cycles	6 of 6 [1]
Puncture Resistance	EN 863	>5 N	1 of 6 [1]
Surface Resistance at RH 25%, inside [7]	EN 1149-1	≤ $2,5x10^9$ Ohm	N/A
Surface Resistance at RH 25%, outside [7]	EN 1149-1	≤ $2,5x10^9$ Ohm	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1 of 6 [1]
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1 of 6 [1]
Thickness	DIN EN ISO 534	140 µm	N/A
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>10 N	1 of 6 [1]
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>10 N	1 of 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	>50	2 of 3 [3]
Seam Strength	EN ISO 13935-2	>75 N	3 of 6 [1]
Shelf Life [7]	N/A	5 years	N/A
Type 5: Particle aerosol inward leakage test	EN ISO 13982-2	Pass Ljnm 82/90<=30% L5 8/10<=15%	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	< 45 s	N/A
Thermal Resistance, Rct	EN 31092/ISO 11092	16.3*10-3 m2*K/W	N/A
Thermal Resistance, clo value	EN 31092/ISO 11092	0.105 clo	N/A
Water Vapour Resistance, Ret	EN 31092/ISO 11092	11.3 m2*Pa/W	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 of 3 [1]
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3 of 3 [1]
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3 of 3 [1]
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3 of 3 [1]

1 According to EN 14325 **>** Larger than **<** Smaller than

PARTICLE BARRIER

Property	Test Method	Typical Result	EN
Dry Linting Propensity, inside	BS 6909	128 Average particle count/17 liters of air	N/A
Dry Linting Propensity, outside	BS 6909	56 Average particle count/17 liters of air	N/A

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

HEAT AND FLAME, ARC

Property	Test Method	Typical Result	EN

4 According to EN 14116 **12** According to EN 11612

- The garment does not protect against ionizing radiation.
- 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.
- This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.

For further product information, literature and as well as assistance in locating a local supplier, please visit:

www.safespec.dupont.co.uk

DuPont Personal Protection
DuPont de Nemours (Luxembourg) S.àr.l.
L-2984 Luxembourg
Tel.: +800 3666 6666 (international toll-free)
Fax: +352 3666 5071
E-mail: personal.protection@lux.dupont.com

The footnotes can be found on the SafeSPEC™ website.