

## TECHNICAL DATA SHEET



### PRODUCT INFORMATION

DuPont™ Tyvek® 500 Xpert green CHF5. Robust yet lightweight protection providing an excellent barrier against fine particles and low-level sprays in a green hooded coverall. Features stitched external seams, a respirator fit three-piece hood, 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 applications including agriculture, pharmaceutical handling, chemical processing, general maintenance, and spray painting.

### ATTRIBUTES

|                  |                                   |
|------------------|-----------------------------------|
| Full Part Number | TYCHF5SGR00                       |
| Fabric/Materials | TYVEK®                            |
| Design           | Hooded coverall with elastics     |
| Seam             | Stitched (external)               |
| Color            | Green                             |
| Other Colors     | <a href="#">Blue,White</a>        |
| Sizes            | SM, MD, LG, XL, 2X, 3X            |
| Quantity/Box     | 100 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)..
- Stitched external seams.
- Very low inward leakage thanks to optimised design.
- Tyvek® auto-lock zipper and zipper flap for increased protection..
- Chemical permeation of coloured Tyvek® is not identical to that of white Tyvek® 500/600
- High liquid and particulate protection
- Exceptional design and comfort
- Good breathability thanks to air and moisture vapour permeability
- Overall ergonomic shape for perfect fit and protection when moving

### SIZETABLE

| PRODUCT SIZE | ARTICLE NUMBER | ADDITIONAL INFO |
|--------------|----------------|-----------------|
| SM           | D14936647      | MTO             |
| MD           | D14936650      |                 |
| LG           | D14936664      |                 |
| XL           | D14936675      |                 |
| 2X           | D14936681      |                 |
| 3X           | D14936699      | MTO             |

### PHYSICAL PROPERTIES

| PROPERTY                         | TEST METHOD     | TYPICAL RESULT | EN               |
|----------------------------------|-----------------|----------------|------------------|
| Abrasion Resistance <sup>7</sup> | EN 530 Method 2 | >100 cycles    | 2/6 <sup>1</sup> |

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| PROPERTY                              | TEST METHOD          | TYPICAL RESULT        | EN               |
|---------------------------------------|----------------------|-----------------------|------------------|
| Basis Weight                          | DIN EN ISO 536       | 44 g/m <sup>2</sup>   | N/A              |
| Colour                                | N/A.                 | Green                 | N/A              |
| Exposure to high Temperature          | N/A.                 | Melting point ~135 °C | N/A              |
| Flex Cracking Resistance <sup>7</sup> | EN ISO 7854 Method B | >100000 cycles        | 6/6 <sup>1</sup> |
| Puncture Resistance                   | EN 863               | >10 N                 | 2/6 <sup>1</sup> |
| Resistance to water penetration       | AATCC 127            | >10 kPa               | N/A              |
| Tensile Strength (MD)                 | DIN EN ISO 13934-1   | >60 N                 | 2/6 <sup>1</sup> |
| Tensile Strength (XD)                 | DIN EN ISO 13934-1   | >60 N                 | 2/6 <sup>1</sup> |
| Thickness                             | DIN EN ISO 534       | 150 µm                | N/A              |
| Trapezoidal Tear Resistance (MD)      | EN ISO 9073-4        | >10 N                 | 1/6 <sup>1</sup> |
| Trapezoidal Tear Resistance (XD)      | EN ISO 9073-4        | >10 N                 | 1/6 <sup>1</sup> |

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              |
| Type 6: Resistance to Penetration by Liquids (Low Level Spray Test) | EN ISO 17491-4, Method A | Pass                  | N/A              |
| Nominal protection factor <sup>7</sup>                              | EN 1073-2                | >50                   | 2/3 <sup>3</sup> |
| Shelf Life <sup>7</sup>   | N/A.                     | 10 years <sup>6</sup> | N/A              |
| Seam Strength   | EN ISO 13935-2           | >75 N                 | 3/6 <sup>1</sup> |

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  | < 45 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 <sup>1</sup> |
| Repellency to Liquids, Sulphuric Acid (30%)                  | EN ISO 6530 | >95 %          | 3/3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sodium Hydroxide (10%) | EN ISO 6530 | <1 %           | 3/3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sulphuric Acid (30%)   | EN ISO 6530 | <1 %           | 3/3 <sup>1</sup> |

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 <sup>2</sup> |



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| PROPERTY  | TEST METHOD           | TYPICAL RESULT    | EN               |
|---|-----------------------|-------------------|------------------|
| Resistance to Penetration by Blood and Body Fluids using Synthetic Blood        | ISO 16603             | 3,5 kPa           | 3/6 <sup>2</sup> |
| Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174 | ISO 16604 Procedure C | No classification | 2/6 <sup>2</sup> |
| Resistance to Penetration by Contaminated Liquids                               | EN ISO 22610          | ≤ 15 min          | 1/6 <sup>2</sup> |
| Resistance to Penetration by Contaminated Solid Particles                       | ISO 22612             | 2 < log cfu < 3   | 1/3 <sup>2</sup> |

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

### WARNING


MTO: Made to order terms & conditions apply. 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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