

# TECHNICAL DATA SHEET

## Tyvek Classic PLUS Type 4, 5 & 6 Coveralls



### DESCRIPTION

DuPont™ Tyvek® Classic Plus gives you a combination of the performance of a Type 4 coverall with the durability, protection and comfort of a Tyvek® suit. Classic Plus is made of Tyvek®, but the coveralls offer the added benefit of protective design features and over taped seams. They provide an effective barrier against many inorganic chemicals in low concentration and particles larger than 1.0µm. These coveralls are ideal for occupations that require effective whole suit protection offered by a Type 4 suit because they are exposed to heavy liquid aerosols as well as airborne solid particulates.



### TECHNICAL SPECIFICATION

|                 |                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------|
| Quantity        | Carton of 25                                                                                          |
| Sizes           | M<br>L<br>XL<br>XXL                                                                                   |
| Test Standards  | EN 14126<br>EN 1149-5                                                                                 |
| Recommended Use | Laboratories, clean room, pharmaceutical, food processing, forensic science, medical and spray paint. |

### FEATURES

- Type 4, 5 & 6 Certified Category III
- Anti-Static to EN 1149-5
- Barrier to Radioactive Particles - Class 1
- Barrier to Infective Agents - EN 14126
- Lint Free Microporous Material
- Breathable Fabric
- Self-Adhesive Storm Flap Over Zip

# TECHNICAL DATA SHEET



## Tyvek Classic PLUS Type 4, 5 & 6 Coveralls

### PHYSICAL PROPERTIES

| Property                              | Test Method          | Result                     | EN                  |
|---------------------------------------|----------------------|----------------------------|---------------------|
| Abrasion Resistance <sup>7</sup>      | EN 530 Method 2      | 41.5g/m <sup>2</sup>       | 2 of 6 <sup>1</sup> |
| Basis Weight                          | DIN EN ISO 536       | 41.5g/m <sup>2</sup>       | 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       | N/A                 |
| Flex Cracking Resistance <sup>7</sup> | EN ISO 7854 Method B | >100000 cycles             | 6 of 6 <sup>1</sup> |
| Flex cracking resistance              | EN ISO 7854 Method B | >4000 cycles               | N/A                 |
| Puncture Resistance                   | EN 863               | >10 N                      | 2 of 6 <sup>1</sup> |
| Resistance to water penetra-<br>tion  | DIN EN 20811         | >10 kPa                    | N/A                 |
| Surface Resistance at RH              | EN 1149-1            | <2,5 • 10 <sup>9</sup> Ohm | N/A                 |
| Surface Resistance at RH              | EN 1149-1            | <2,5 • 10 <sup>9</sup> Ohm | N/A                 |
| Tensile Strength (MD)                 | DIN EN ISO 13934-1   | >60 N                      | 2 of 6 <sup>1</sup> |
| Tensile Strength (XD)                 | DIN EN ISO 13934-1   | >60 N                      | 2 of 6 <sup>1</sup> |
| Thickness                             | DIN EN ISO 534       | 140 µm                     | N/A                 |
| Trapezoidal Tear Resistance           | EN ISO 9073-4        | >10 N                      | 1 of 6 <sup>1</sup> |
| Trapezoidal Tear Resistance<br>(XD)   | EN ISO 9073-4        | >10 N                      | 1 of 6 <sup>1</sup> |

# TECHNICAL DATA SHEET



## Tyvek Classic PLUS Type 4, 5 & 6 Coveralls

### GARMENT PERFORMANCE

| Property                                                            | Test Method              | Result                | EN                  |
|---------------------------------------------------------------------|--------------------------|-----------------------|---------------------|
| Nominal protection factor <sup>7</sup>                              | EN 1073-2                | >50                   | 2 of 3 <sup>3</sup> |
| Seam Strength                                                       | EN ISO 13935-2           | >75 N                 | 3 of 6 <sup>1</sup> |
| Shelf Life <sup>7</sup>                                             | N/A                      | 10 years <sup>6</sup> | N/A                 |
| Type 5: Inward Leakage <sup>11</sup>                                | EN ISO 13982-2           | 1%                    | 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                 |

### PENETRATION AND REPELLENCY

| Property                                             | Test Method | Result | EN                  |
|------------------------------------------------------|-------------|--------|---------------------|
| Repellency to Liquids,                               | EN ISO 6530 | >95%   | 3 of 3 <sup>1</sup> |
| Repellency to Liquids,                               | EN ISO 6530 | >95%   | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sodium Hy-     | EN ISO 6530 | <1%    | 3 of 3 <sup>1</sup> |
| Resistance to Penetration by Liquids, Sulphuric Acid | EN ISO 6530 | <1%    | 3 of 3 <sup>1</sup> |

# TECHNICAL DATA SHEET

## Tyvek Classic PLUS Type 4, 5 & 6 Coveralls



| BIOLOGICAL BARRIER                                                              |                       |                   |                                |
|---------------------------------------------------------------------------------|-----------------------|-------------------|--------------------------------|
| Property                                                                        | Test Method           | Result            | EN                             |
| Resistance to Penetration by Biologically Contaminated Aerosols                 | ISO/DIS 22611         | Pass              | 1 of 3 <sup>2</sup>            |
| Resistance to Penetration by Blood and Bodily Fluids using Synthetic Blood      | ISO 16603             | Pass              | 3 of 6 <sup>2</sup>            |
| Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174 | ISO 16604 Procedure C | No Classification | No Classification <sup>2</sup> |
| Resistance to Penetration by Contaminated Liquids                               | EN ISO 22610          | Pass              | 1 of 6 <sup>2</sup>            |
| Resistance to Penetration by                                                    | ISO 22612             | Pass              | 1 of 3 <sup>2</sup>            |

According to EN 14126   > Larger than   <Smaller than