

TECHNICAL DATA SHEET

Tyvek Classic Xpert Type 5 & 6 Coveralls



DESCRIPTION

Tyvek Type 5 & 6 coveralls are manufactured from breathable liquid resistant Dupont material. The material allows the skin to breathe whilst resisting the penetration of many different non-hazardous liquids and particles. Typical applications include laboratory, clean room, pharmaceutical, food processing, forensic science, medical and paint spray.



TECHNICAL SPECIFICATION

Quantity	Carton of 25
Sizes	M L XL XXL
Test Standard	EN 1149-5 EN 14126 EN 1073-2

FEATURES

- Type 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

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PHYSICAL PROPERTIES

Property	Test Method	Result	EN
Abrasion Resistance ⁷	EN 530 Method 2	>100 cycles	2 of 6 ¹
Basis Weight	DIN EN ISO 536	41.5g/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
Flex cracking resistance	EN ISO 7854 Method B	>4000 cycles	N/A
Puncture Resistance	EN 863	>10 N	2 of 6 ¹
Resistance to water penetration	DIN EN 20811	>10 kPa	N/A
Surface Resistance at RH 25%, inside ⁷	EN 1149-1	<2,5 • 10 ⁹ Ohm	N/A
Surface Resistance at RH 25%, outside ⁷	EN 1149-1	<2,5 • 10 ⁹ Ohm	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>60 N	2 of 6 ¹
Tensile Strength (XD)	DIN EN ISO 13934-1	>60 N	2 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

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GARMENT PERFORMANCE

Property	Test Method	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	10 years ⁶	N/A
Type 5: Inward Leakage ¹¹	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

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

PENETRATION AND REPELLENCY

Property	Test Method	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

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BIOLOGICAL BARRIER

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