

Technical data sheet



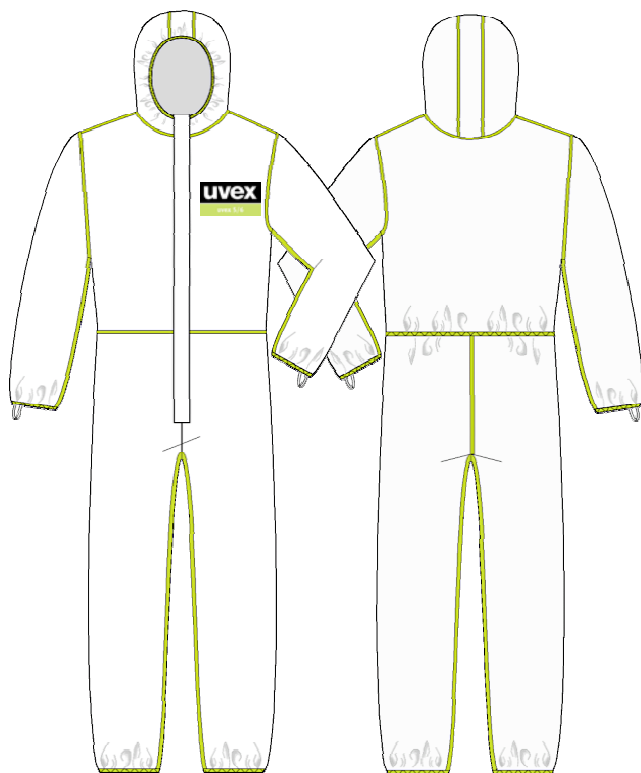
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Disposable coverall

chemical protection Type 5/6

Model: 9860
Colour: white/lime green
Size: M – XXXL
Retail unit: 40
Art.-no.: 98751
Material: spunbond -PE - laminate
with spunbond (SMS) back section

PPE category III chemical protection



Product description:

- breathable, light polyester laminate combined with a SMS back section to provide a high level of moisture management and breathability without reducing protection
- the bound seams ensure a high level of protection against liquid splashes and solid particles
- the hood is highly compatible with filtering face mask
- optimised body fit for high wearer comfort
- bound seams and elastics in contrasting colours for "visible safety"
- Middle finger loops prevent the sleeves from riding up e.g. work carried out above head height
- silicon-free
- suitable for cleanroom environment (class 8, ISO 14644-1)

Typical applications e.g.:

- Work with dust or particulate chemicals
- Painting
- Fibreglass production and processing
- General maintenance

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Performance data:

Material properties	unit	value laminate	class	value SMS	class
EN 14325 Fabric physical test results					
EN 530 Abrasion resistance	cycles	>100<500	2 of 6	>10<100	1 of 6
EN ISO 7854 Flex cracking resistance	cycles	>40.000<100.000	5 of 6	>15.000<40.000	4 of 6
EN ISO 9073-4 Tear resistance (MD)	N	>40<60	1 of 6	>20<40	2 of 6
EN ISO 9073-4 Tear resistance (CD)	N	>10<20		>20<40	
EN ISO 13934-1 Tensile strength (MD)	N	>100<250	1 of 6	>100<250	1 of 6
EN ISO 13934-1 Tensile strength (CD)	N	>30<60		>30<60	
EN 863 Puncture resistance	N	>5<10	1 of 6	>5<10	1 of 6
EN ISO 13938-1 Burst resistance	kPa	>160<320	3 of 6	passed	
EN 13274-4 Resistance to ignition		passed		passed	
BS EN 20811 Hydrostatic head (water pressure test)	cm	232			
EN 31092/ISO 11092 Thermal resistance R_{ct}	m^2K/W	$16,3 \cdot 10^{-3}$			
EN 31092/ISO 11092 Water Vapour resistance R_{et}	m^2Pa/W	13,3			
EN ISO 9237 Air permeability	$l/(m^2s)$			160	
EN 14325/EN 368 Repellence of liquids					
Sulphuric acid (30%)	%	>95	3 of 3	>95	3 of 3
Sodium hydroxide (10%)	%	>95	3 of 3	>95	3 of 3
n-heptane (undiluted)	%	>90<95	2 of 3	0	-
Isopropanol	%	>95	3 of 3	23,10	-
EN 14325/EN 368 Resistance to penetration by liquids					
Sulphuric acid (30%)	%	>1<5	3 of 3	0	3 of 3
Sodium hydroxide (10%)	%	>1<5	3 of 3	0	3 of 3
n-heptane (undiluted)	%	>1<5	3 of 3	>10	1 of 3
Isopropanol	%	>1<5	3 of 3	>10	1 of 3
EN ISO 13982-1 Aloxite particle penetration test (fabric filtration efficiency)					
Particle size 1,0 - 1,5 μm	%	>98		>98	
Particle size 1,5 - 2,0 μm	%	>98		>98	
Particle size 2,0 - 2,5 μm	%	>99		>99	
Particle size 2,5 - 3,0 μm	%	>99		>99	
Particle size 3,0 - 3,5 μm	%	>99		>99	
Particle size >3,5 μm	%	>99		>99	
Whole suit test results					
EN ISO 13935-2 Seam strength	N		>50<75		2 of 6
EN ISO 13982-1-2 Particle penetration test Type 5	TIL %		<15		passed
EN 13034/EN 468 Reduced spraytest Type 6			passed		

Suitability by cleanroom class

ISO 14644-1 Class	1	2	3	4	5	6	7	8	9
US Federal Standard 209	-	-	1	10	100	1.000	10.000	100.000	
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