ALPHA SHIELD 2000+

LIMITED LIFE COVERALL

Alphashield 2000+ is a limited life coverall made from lightweight spun-bonded polypropylene with an outer breathable film. It is designed to protect workers from hazardous substances or sensitive products and processes from contamination.



BENEFITS

- Lightweight spun-bonded polypropylene with outer breathable film
- Taped sealing on storm flap for extra protection
- Thumb loop ensures arm protection remains in place when arm is raised
- Innovative, three piece elasticated hood construction provides added comfort, durability and fit
- Elasticated ankles and wrists

EN STANDARDS

EN 13034:2005 +A1:2009	EN ISO 13982-1: 2004 + A1:2010	EN 1073-2: 2002	EN 114126: 2003	EN 1149-5: 2018
Type 6	Type 5	Class 1	Type 5B 6B	

US TESTING DATA

Property	Test Method	Typical Value
Basis Weight	ASTM D3776	1.60 oz/yd2
Tear Resistance—Trap Tear, MD	ASTM D1117	6.3 lbf
Tear Resistance—Trap Tear, CD	ASTM D1117	14.8 lbf
Breaking Strength—Grab, MD	ASTM D5034	29.3 lbf
Breaking Strength—Grab, CD	ASTM D5034	21.1 lbf
Hydrostatic Head	AATCC 127	59.0 inches H20

Tested to ASTM F1670, F1671 D257 & AATCC 76.

SUITABLE APPLICATIONS

Protection against particulate hazards (Type 5) and or limited liquid splashes or sprays (Type 6) depending on the chemical toxicity and exposure conditions.

- Agriculture
- Biological Hazards
- Chemical Handling
- Clean Room
- Electronics
- Hazardous Materials Handling
- Paint Spraying
- Printing

ALPHASHIELD 2000+

Limited life coverall

TECHNICAL SPECIFICATIONS

PHYSICAL PERFORMANCE		
	RESULT	CLASS
EN 530 Abrasion	>10 cycles*[Note 1]	1 of 6
EN ISO 7854 Flex Cracking	>5,000 cycles*[Note 1]	3 of 6
EN ISO 9073-4 Tear Resistance	MD = >40 N CD = >20 N	MD = 2 of 6 CD = 2 of 6
EN ISO 13934-1 Tensile Strength	MD = >60 N CD = >30 N	MD = 1 of 6 CD = 1 of 6
EN 863 Puncture Resistance	>5 N *[Note 2]	1 of 6*[Note 2]
EN ISO 13935-2 Seam Strength	>125 N	4 of 6
BS 3266 pH Value	>3.5 and <9.5	PASS
EN 13274-4 Resistance To Ignition	PASS	-

RESISTANCE TO PENETRATION BY CHEMICALS [EN 6530] REPELLENCY INDEX [%] / RESISTANCE INDEX [%] [EN 14325]	
Chemical	Class (Repellency / Resistancy)
Sulphuric Acid 30%	Class 3 / Class 3
Sodium Hydroxide 10%	Class 3 / Class 3

PROTECTIVE CLOTHING - ELECTROSTATIC PROPERTIES [EN 1149-5]		
Test	Standard	Class
Surface Resistance	EN 1149-1	PASS [Inner Surface]

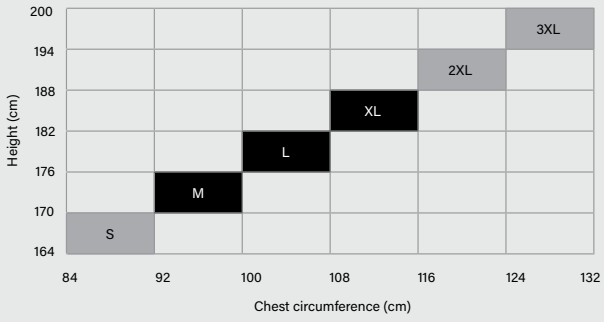
WHOLE SUIT TESTS [EN 13034 / EN ISO 13982-1]			
Test	Standard	Result	Class
Resistance To Penetration By Liquids [Type 6: Light Spray test] *[Note 3]	EN ISO 17491-4	PASS	-
Inward Leakage of Aerosols Of Solid Particles [Type 5]	EN ISO 13982-2	-	PASS

PROTECTION AGAINST PARTICULATE RADIOACTIVE CONTAMINATION [EN 1073-2] [EXCLUDING, CLAUSE 4.2 PUNCTURE RESISTANCE & RESISTANCE TO BLOCKING (NOT TESTED)]		
Test	Standard	Class
Total Inward Leakage	EN ISO 13982-1	Class 1

PROTECTION AGAINST MICRO-ORGANISM HAZARDS [EN 14126]		
Test	Standard	Class
Resistance To Penetration By Contaminated Liquids Under Hydrostatic Pressure - Using Synthetic Blood.	ISO 16603	Class 6
Resistance To Penetration By Contaminated Liquids Under Hydrostatic Pressure - Using Bacteriophage Phi-X174.	ISO 16604	Class 2
Resistance To Penetration By Infective Agents Due To Mechanical Contact With Substances Containing Contaminated Liquids.	EN ISO 22610	Class 6
Resistance To Penetration By Contaminated Liquid Aerosols.	ISO/DIS 22611	Class 3
Resistance To Penetration By Contaminated Solid Particles.	ISO 22612	Class 3

KEY: MD = Machine Direction ; CD = Cross Direction Note 1: Visual endpoint. Note 2: The measured puncture resistance was below the minimum 10N required by the EN 1073-2 standard. However it is sufficient to meet Class 1 according to the EN 13034 and EN ISO 13982-1 standards. The end user must decide on the basis of a risk assessment, whether the puncture resistance of the material is acceptable. Note 3: Resistance to penetration by liquids in the form of a light spray. The test method of EN ISO 17491-4 was modified as defined by EN 13034 for low-level spray testing conditions.

SIZING Body Measurements



STORAGE AND MAINTENANCE

Alphashield 2000+ is manufactured from materials made from polypropylene and polyethylene. These insert polymers are proven not to degraded within 10 years. Therefore a product shelf life of 10 years should be reasonable in correct storage conditions. It is advised to keep products stored in cool, dry areas where possible and away from direct heat and sunlight.

ORDERING INFORMATION

Part Number: S2BH+

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