ALPHA SHIELD 2000 CP

LIMITED LIFE COVERALL

Alphashield 2000CP 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
- Innovative comfort back panel and gusset area
- 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 ensure a snug and secure fit

EN STANDARDS

EN 13034:2005 +A1:2009	EN 1149-5: 2008	EN 1073-2: 2002	EN ISO 13982-1: 2004 + A1:2010
		Class 1	Type 5

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 CP

Limited life coverall

TECHNICAL SPECIFICATIONS

TECHNICAL PROPERTIES - EN 13034 / EN ISO 13982-1 / EN 1073-2 / EN 1149-5					
Test		Main Body Fabric		Back Panel Fabric	
		Result	Class	Result	Class
EN 530 Abrasion		> 10 cycles*[Note 1]	1 of 6	> 10 cycles*[Note 1]	1 of 6
EN ISO 7854-B Flex Cracking		> 40,000 cycles*[Note 1]	5 of 6	> 15,000 cycles*[Note 1]	4 of 6
EN ISO 9073-4 Tear Resistance		MD = >20 N, CD = >10 N	1 of 6	MD = >20 N, CD = >20 N	2 of 6
EN ISO 13934-1 Tensile Strength		MD = >60 N, CD = >30 N	1 of 6	MD = >60 N, CD = >30 N	1 of 6
EN 863 Puncture Resistance		>5 N*[Note 2]	1 of 6*[Note 2]	>5 N*[Note 2]	1 of 6*[Note 2]
EN ISO 13935-2 Seam Strength	Main Body Fabric	>75 N	3 of 6	-	-
	Back Panel Fabric	>75 N	3 of 6	>75 N	Class 3
EN ISO 3071 pH Value		>3.5 and <9.5	PASS	>3.5 and <9.5	PASS
EN 13274-4 Resistance to Ignition		PASS	-	PASS	-

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 & EN 13034 [Mod.]	PASS	-
Inward Leakage of Aerosols Of Solid Particles [Type 5]	EN ISO 13982-2	-	PASS

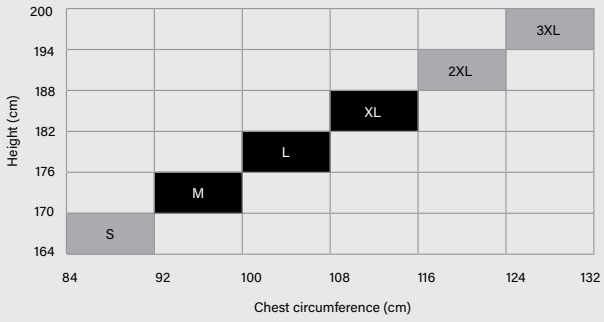
PROTECTIVE CLOTHING - ELECTROSTATIC PROPERTIES [EN 1149-5]			
		Main Body Fabric	Back Panel Fabric
Test	Standard	Class	Class
Surface Resistance	EN 1149-1	PASS [Inner Surface]	-
Half Decay Time or Shielding Factor	EN 1149-3	-	PASS [Inner & Outer Surfaces]

RESISTANCE TO PENETRATION BY CHEMICALS [EN ISO 6530:2005] - REPELLENCY INDEX [%] / RESISTANCE INDEX [%] [CLASSIFICATION TO EN 14325:2004]		
	Class (Repellency / Resistancy)	
Chemical	Main Body Fabric	Back Panel Fabric
Sulphuric Acid 30%	Class 3 / Class 3	Class 3 / Class 3
Sodium Hydroxide 10%	Class 3 / Class 3	Class 3 / Class 3

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 13982-2	Class 1

KEY: MD = Machine Direction; CD = Cross Direction. Note 1: Visual endpoint. Note 2: The measured puncture resistance for both the main body fabric and back panel fabric were below the minimum 10N required by the EN 1073-2 standard. However they were 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 fabrics 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 2000CP is manufactured from materials made from polypropylene and polyethylene. These inert 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: S2BHCP

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