ALPHA SHIELD 2200

LIMITED LIFE COVERALL

Alphashield 2200 is a limited life coverall with bound seam made from polypropylene and polyethylene. It is designed to protect workers from hazardous substances or sensitive products and processes from contamination.



BENEFITS

- Lightweight microporous polyethylene (PE) laminate
- Bound seam for additional protection and strength
- 2-way front zipper with re-sealable storm flap
- Thumb loop ensures arm protection remains in place when arm is raised
- Elasticated waist to enhance fit
- 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 1149-5: 2008	EN 14126: 2003
Type 6	Type 5	Class 1		Type 3B, 4B, 5B 6B

US TESTING DATA

Property	Test Method	Typical Value
Basis Weight	ASTM D3776	2.13 oz/yd2
Tear Resistance—Trap Tear, MD	ASTM D1117	6.5 lbf
Tear Resistance—Trap Tear, CD	ASTM D1117	13.0 lbf
Breaking Strength—Grab, MD	ASTM D5034	33.3 lbf
Breaking Strength—Grab, CD	ASTM D5034	28.6 lbf
Hydrostatic Head	AATCC 127	152 inches H20

Tested to ASTM 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 2200

Limited life coverall

TECHNICAL SPECIFICATIONS

PHYSICAL PERFORMANCE	
	EN Class*
EN 530 Abrasion	3 of 6
EN ISO 7854 Flex Cracking	3 of 6
EN ISO 9073-4 Tear Resistance	2 of 6
EN ISO 13934-1 Tensile Strength	1 of 6
EN 863 Puncture Resistance	1 of 6
EN 25978 Resistance to blocking	Pass

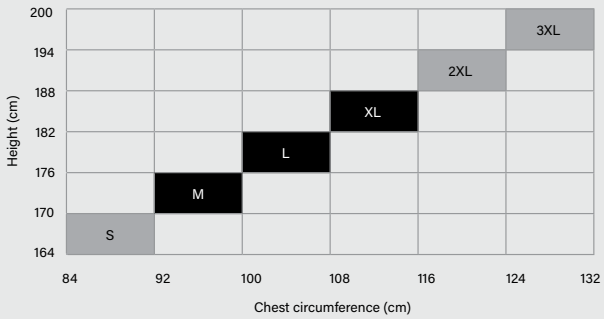
* EN Class specified by EN14325: 2004. The higher the class number the better the performance.

EN ISO 6530 RESISTANCE TO PENETRATION OF CHEMICALS		
	Repellency (EN Class)	Penetration (EN Class)
Sulphuric Acid (30%)	3 of 3	3 of 3
Sodium Hydroxide (10%)	3 of 3	3 of 3
O-Xylene	2 of 3	3 of 3
Butan-1-ol	3 of 3	3 of 3

WHOLE SUIT PERFORMANCE		
Type 5: Particle Test	EN ISO 13982-1: 2004+A1: 2010 Ljmn, 82/90 ≤ 6.4% and Ls, 8/10 ≤ 4.2%	Pass
Type 6: Reduced Spray Test	EN13034: 2005+A1:2009	Pass
Radioactive Particulates	EN1073-2, TIL_A = 2.8%, NPF = 35	Pass Class 1
Electrostatic Properties	EN1149-5: 2008	Pass
Seam Strength	EN ISO 13935-2	Class 4 of 6

EN14126: 2003 FABRIC BARRIER TO INFECTED AGENTS	
ISO 16603 – resistance to penetration by blood/body fluids with synthetic blood	Class 6 of 6
ISO 16604 – resistance to blood borne pathogens using Phi – X174 bacteriaphage	Class 6 of 6
EN ISO 22610 – resistance to penetration by wet liquid – staphyloccus aureas	Class 6 of 6
ISO/DIS 22611 – resistance to penetration by aerosols –	Class 3 of 3
ISO 22612 – resistance to dry particles contaminated with bacillus subtillis spores	Class 3 of 3

SIZING Body Measurements



ORDERING INFORMATION

Part Number: PDS2B/HS2200/

WH1 S2200 - White Small

WH2 S2200 - White Medium

WH3 S2200 - White Large

WH4 S2200 - White X/Large

WH5 S2200 - White XX/Large

WH6 S2200 - White XXX/Large

STORAGE AND MAINTENANCE

Alphashield 2200 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.

ALPHA SOLWAY | GLOBUS

ALPHA SOLWAY LTD, Factory 1, Queensberry Street, Annan, DG12 5BL, UK
T: +44 (0)1461 202 452 | E: sales@globusgroup.com | www.globusgroup.com

© 2023 Alpha Solway Ltd - Please note that all information given in this document is intended to be useful and informative and is correct to the best of our knowledge at time of print. No liability can be accepted for inaccuracies or omissions. The right is reserved to amend this information without prior notice. All our technical files, style descriptions, presentations, designs and drawings, give the latest update of the standards and design or style features of each product. However, delivered products may comply with previous standards, design or style features. For that Alpha disclaims any liability whatsoever. Contact our sales for full information if specific requirements are needed.

ALPHA-DATA-AS2200-0723_1