ALPHACHEM X150

LIMITED LIFE CHEMICAL COVERALL

Alphachem X150 is a light, durable and cost effective disposable chemical protective garment manufactured using lightweight HDPE fabric. It offers chemical resistance against splashes and sprays of hazardous chemicals in Type 3 and 4 applications.

FEATURES

- Designed to provide increased wearer comfort, exceptional levels of safety and protection, with superior durability
- Double sleeve system with inner thumb loop
- Improved fit, enhanced freedom of movement with two piece crotch pattern
- 3 piece hood ensures a comfortable fit
- Double zip / grab tag - easier to hold when wearing gloves
- Knee patches give extra re-enforcement where it's needed most
- Stitched and taped seams provide a strong and effective chemical barrier
- Quick and easy donning/doffing
- Elasticated ankles and wrists



ORDERING INFORMATION

Part Number:

X150

SUITABLE APPLICATIONS

Recommended applications include:

- **Agriculture**
- **Chemical Spills**
- **Decontamination Work**
- **Pest Control**
- **Plant Maintenance**
- **Pressure Cleaning**
- **Tank Cleaning**

ALPHA SOLWAY

ALPHACHEM X150

LIMITED LIFE CHEMICAL COVERALL

TECHNICAL SPECIFICATIONS

Other Physical Performance Data	
Description	Result
BS EN 20811 Resistance to Water Penetration	>22 kPa
ISO 13938-1 Bursting Resistance	61.6 kPa Class 1 of 6
EN 25978 Resistance to Blocking	No Blocking
EN1149-5: 2008 Electrostatic Surface Resistance	PASS – Half Decay t50 = 0.05s
EN 14362-1 Arylamines derived from Prohibited Azo Dyes	None Detected
EN ISO 3071:2006 pH of Aqueous Extract	PASS

CHEMICAL PERMEATION DATA Additional Tests						
Chemical	CAS Number	MDPR µg/cm²/min	BDT Minutes	SBT (Minutes) 0.1µg/cm²/min	NBT(Minutes) 1.0µg/cm²/min	EN Class
Acetone (99.9 wt%)*	76-64-1	0.02	>480	>480	>480	6 of 6
Acetonitrile (99.99 wt%)*	75-05-8	0.02	>480	>480	>480	6 of 6
Hydroflouric Acid 48-51wt%*	7664-39-3	0.03	36	372	>480	6 of 6
Hydroflouric Acid 58-62wt%*#	7664-39-3	0.03	9	88	419	5 of 6
Isopropyl Alcohol (99.99 wt%)*	67-63-0	0.02	>480	>480	>480	6 of 6
Methanol (99.99 wt%)*	67-56-1	0.06	>480	>480	>480	6 of 6
Sodium Hypochlorite (10-15% Active Cl)*	7681-52-9	0.05	>480	>480	>480	6 of 6

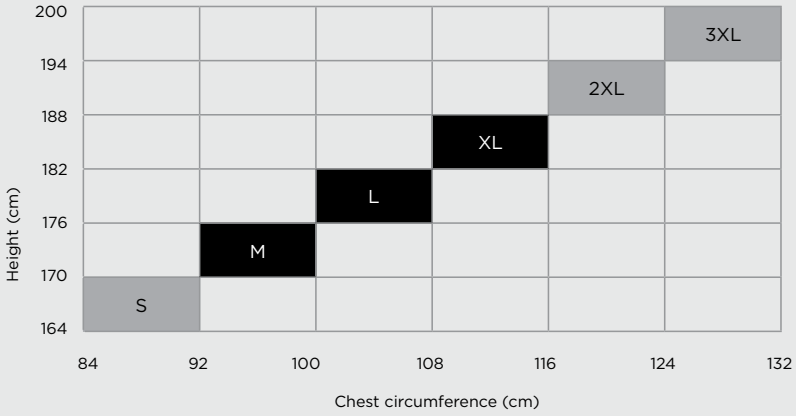
* Denotes tests also carried out on seam and results equivalent to or greater than material, only, test results.
# Denotes mean of six measured samples.

EN 14126: 2003 - Barrier to Infective Agents		
Test Method	Result	EN Class
ISO 16603 - Resistance to penetration by blood/fluids under pressure	Pass to 20 kPa	6 of 6
ISO 16604 - Resistance to penetration by blood borne pathogens	Pass to 20 kPa	6 of 6
EN ISO 22610 - Resistance to wet bacterial penetration (mechanical contact)	Penetration >75 mins No Penetration	6 of 6
ISO/DIS 22611 - Resistance to biologically contaminated aerosols	Penetration Ratio Log 10 CFU >5 No Penetration	3 of 3
ISO 22612 - Resistance to dry microbial penetration	Penetration Log Log10 CFU < 1 No Penetration	3 of 3

Fabric Physical Tests according to EN 14325: 2004	
Test Method	EN Class
Abrasion Resistance EN530 Method 2	2 of 6
Flex ISO 7854 Method B	1 of 6
Tear Resistance EN ISO 9073-4 (MD)	4 of 6
Tear Resistance EN ISO 9073-4 (CD)	2 of 6
Tensile Strength ISO 13934-1 (MD)	3 of 6
Tensile Strength ISO 13934-1 (CD)	2 of 6
Puncture Resistance EN 863	2 of 6

Fabric Chemical Permeation EN 374-3: 2003 1.0 µg / cm² / min		
Chemical	Result	EN Class
Sulphuric Acid 98% Material	>480 min	6 of 6
Sodium Hydroxide 48% Material	>480 min	6 of 6
Sulphuric Acid 98% Taped Seam	>480 min	6 of 6
Sodium Hydroxide 48% Taped Seam	>480 min	6 of 6

SIZING Body Measurements



CERTIFICATION

EN14605+ A1:2009

EN14605 +A1:2009
Type 4

EN14126: 2003
Type 3-B; 4-B; 5-B

EN14605+ A1:2009
Type 3

EN1073-2: 2002
TIL Class 1

EN ISO 13982-1: 2004+A1:2010
Type 5

EN 1149-5: 2008

STORAGE AND MAINTENANCE

AlphaChem X150 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.

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