

# Protective Clothing for Utilities



Hard Working Gear for  
Hard Working People.

# Breathable Mesh Arc Rated Vests

**Class 2**

**A**



**A. Style V-8AM012VL**

**Basic Class 2 Vest**

- Modacrylic mesh with modacrylic binding
- Meets ANSI 107-2010, Class 2 specifications
- 2" Silver heat transferred trim
- Hook & loop front closure
- 27" length.
- Sizes:** M-6XL
- Color:** Lime Yellow

**B**



Adjustable Snap Sides

**B. Style V-8AM031ZL**

**Non-conductive Zipper Closure**

- Modacrylic mesh with modacrylic binding
- Non-conductive zipper front closure
- Open-sides with adjustable snap closures
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 27" length.
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL
- Option:** 24" length V-8AM151ZL
- Color:** Lime Yellow

**C**



Breakaway Shoulder

**C. Style V-8AM141ZVL**

**5 Point Breakaway**

- Modacrylic mesh with modacrylic binding
- 5 point breakaways at shoulders, adjustable sides, and front closure
- Hook and Loop front closure
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 24" length.
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL
- Color:** Lime Yellow



**Breathable Mesh Arc Rated Vests Test Data**

**Air Flow:** 490 CFM  
**ATPV** = 5.1 cal/cm<sup>2</sup>, HRC Level 1  
**Testing:** ASTM F1506, NFPA 70E  
 All modacrylic vests are sewn with Nomex® thread.





D

**D. Style V-8AM0142VL**  
**High Contrast Trim and Binding**

- Modacrylic mesh with orange modacrylic binding
  - Orange 4" modacrylic contrast behind silver trim
  - 2" Silver heat transferred trim
  - Meets ANSI 107-2010, Class 2 specifications
  - Hook & loop front closure
  - 27" length.
  - Optional lanyard port
- Sizes:** M-6XL,  
**Color:** Lime Yellow with contrast

**Class 3**

**E. Style V-8AM0113VL**  
**Basic Class 3 Vest**

- Modacrylic mesh with modacrylic binding
  - ANSI 107-2010, Class 3
  - 2" Silver heat transferred trim
  - Hook & loop front closure
  - 27" length.
- Sizes:** M-6XL  
**Color:** Lime Yellow



E



**Our Lanyard Ports Won't Rip!**  
Lakeland Reinforces our lanyard ports for extra tough durability.



F

**F. Style V-8AM0322VL**  
**Adjustable Snap Sides Plus High Contrast Binding!**

- Modacrylic mesh with orange modacrylic binding
  - Open-sides with adjustable snap closures
  - 2" Silver heat transferred trim
  - Meets ANSI 107-2010, Class 2 specifications
  - Hook and loop closure
  - 27" length.
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL  
**Color:** Lime Yellow with contrast



Adjustable Snap Sides



Lanyard Port



Adjustable Sides

**G. Style V-8AM0223VL**  
**Class 3 Vest with Lanyard Port**

- Modacrylic mesh with orange modacrylic binding
  - Reinforced lanyard port.
  - Meets ANSI 107-2010, Class 3 specifications
  - Open-sides with adjustable hook & loop
  - 2" Silver heat transferred trim
  - Hook & loop front closure
  - 27" length.
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL  
**Colors:** Lime Yellow with contrast



G

**BEST SELLER!**

**3M Scotchlite™**  
Reflective Material

## Woven Arc Rated Vests • Anti-static 10mm Carbon Grid

### A. Style V-10A0312ZL

#### Non-conductive Zipper Closure

Modacrylic blend with modacrylic binding

- Open-sides with adjustable snap closures
- Anti-static 10mm carbon grid
- Non-conductive zipper front closure.
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 27" length

**Sizes:** S/M, L/XL, 2XL/3XL, 4XL/5XL

**Colors:** Lime/Yellow

A



Adjustable Snap Sides

B



### B. Style V-10A0112ZL

#### Anti-static 10mm Carbon Grid

Modacrylic blend with modacrylic binding

- Anti-static 10mm carbon grid
- Non-conductive zipper front closure.
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 2 specifications
- 27" length

**Sizes:** M-6XL

**Color:** Lime/Yellow

### C. Style V-10A1723ZL

#### Adjustable Snaps on Sides and Sleeves

Modacrylic blend with orange modacrylic binding

- Static Dissipative 10mm carbon grid
- Adjustable open-sides with snaps
- Adjustable snap sleeves
- 2" Silver heat transferred trim
- Meets ANSI 107-2010, Class 3 specifications
- Non-conductive zipper front closure
- 27" length

**Sizes:** S/M, L/XL, 2X/3X, 4X/5X

**Color:** Lime/Yellow with contrast

C



Adjustable Snap Sides

#### Woven Arc Rated Vests Test Data

ATPV= 6.3 cal/cm<sup>2</sup>, HRC level 1

**Testing:** ASTM F1506, NFPA 70E, Gas Probe test

- Shirley method 138-2000 – Pass
- Static Decay Test, methods 191A and 5931

#### 10A Fabric

10A Fabric utilizes a carbon core fiber used in a new static dissipative vest material developed by Performance Textiles and Glen Raven Technical Fabrics LLC. The concern for static build-up in garments used in natural gas transmission as well as exploration, drilling and transportation, lead to this carbon blended material. Documentation of the static-dissipative claim was achieved using the Gas Probe Test, Shirley Method 138-2000 and the Static Decay Test; Method 191A and 5931. Both tests are similar and require 50 specimen sample sizes. Fabric is charged to 4000 volts during a 20 second charging period. The acceptable decay to 10% of the maximum voltage is less than 0.5 seconds. All 50 specimens must pass.



# Woven Arc Rated Vests • Mesh Carbon Grid Static Dissipative



**A. Style V-10AM2023ZL**  
**Class 3 Vest with Lanyard Port**

- Modacrylic mesh with modacrylic orange binding
  - Meets ANSI 107-2010, Class 3 specifications
  - 2" Silver heat transferred trim
  - Non-conductive zipper front closure
  - Reinforced lanyard port
  - 27" length.
- Sizes:** M-6XL  
**Color:** Lime Yellow with contrast binding



**B. Style V-10AM0322ZL**  
**Non-conductive Zipper Closure**

- Modacrylic mesh with orange modacrylic binding
  - Non-conductive zipper front closure
  - Open-sides with adjustable snap closures
  - 2" Silver heat transferred trim
  - Meets ANSI 107-2010, Class 2 specifications
  - 27" length.
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL  
**Option:** 24" length V-10AM1512ZL  
**Color:** Lime Yellow with contrast binding



**C. Style V-10AM0122ZL**  
**Basic Class 2 Vest**

- Modacrylic mesh with orange modacrylic binding
  - Non-conductive zipper front closure
  - 2" Silver heat transferred trim
  - Meets ANSI 107-2010, Class 2 specifications
  - 27" length.
- Sizes:** M-6XL  
**Color:** Lime Yellow with contrast binding

**Breathable Mesh Arc Rated Vests Test Data**

**Air Flow:** 490 CFM  
**ATPV** = 5.1 cal/cm<sup>2</sup>, HRC Level 1  
**Testing:** ASTM F1506, NFPA 70E  
All modacrylic vests are sewn with Nomex® thread.

## Durable Woven Vests

### Durable Woven Vests Test Data

ATPV = 5.5 cal/cm<sup>2</sup>, HRC Level 1  
 Testing: ASTM F1506, NFPA 70E

### A. V-8A0112VL - Lime Yellow V-8A0112VO - Orange Class 2 Hook and Loop Closure

- Modacrylic woven with modacrylic binding
- Hook and loop front closure
  - Meets ANSI 107-2010, Class 2 specifications
  - 2" Silver heat transferred trim
  - 27" length.
- Sizes:** M – 6X  
**Color:** Lime Yellow – V-8A0112VL  
 Orange – V-8A0112VO



### B. V-8A0113VL Class 3 Vest with Sleeves Hook and Loop Closure

- Modacrylic woven with modacrylic binding
- 2" Silver heat transferred trim
  - ANSI 107-2010, Class 3
  - Hook & loop front closure
  - 27" length.
- Sizes:** M-6XL  
**Color:** Lime Yellow

### C. V-8A0222VL Adjustable Hook and Loop Sides!

- Modacrylic woven with orange modacrylic binding
- Open-sides with adjustable hook and loop
  - Hook and loop front closure
  - Meets ANSI 107-2010, Class 2 specifications
  - 2" Silver heat transferred trim
  - Length 27".
- Sizes:** S/M, L/XL, 2/3XL, 4/5XL  
**Color:** Lime/Yellow with contrast

### Need A Radio Pocket?



### Pocket Options

Pockets	Dimensions
#45	4" x 5" radio pocket with strap
#55	5" x 5"
#67	6" x 7"
#21	6" x 5" inside/tablet pocket with 5" x 5", 3 pencil slots referred to as a 2 in 1 pocket.

**3M Scotchlite™**  
 Reflective Material

# Knit Blend Arc Rated Specification



A

**A. Style S-FRJ0653L**  
**Class 3 Shirt with Segmented Trim!**

- 3012 Modacrylic Jersey knit shirt
  - Cotton plated inside
  - Henley style, 3 button front, long sleeve
  - Meets ANSI 107-2010, Class 3 specifications
  - 3M Comfort segmented trim
- Sizes:** M-6XL  
**Color:** Lime/Yellow

*Also available with solid silver trim, Style S-FRJ0613L*

**B. Style T-FRJ0513L**  
**Crew Neck Class 3 Knit Shirt**

- 3012 Modacrylic Jersey knit
  - Long sleeves
  - Cotton plated inside
  - Crew ribbed collar
  - Meets ANSI 107-2010, Class 3 specifications
  - 2" Silver heat transferred trim
- Sizes:** M-6XL  
**Color:** Lime/Yellow



B

**C. Style T-FRJ0713L**  
**Crew Neck Class 3 Tee Shirt**

- 3012 Modacrylic Jersey Knit
  - Short sleeves
  - Cotton plated inside
  - Crew ribbed collar
  - 2" silver heat transferred trim
  - Meets ANSI 107-2010, Class 3 specifications
- Sizes:** M-6XL  
**Color:** Lime/Yellow



C



Segmented Trim is lighter in weight, and more breathable than solid reflective trim. All those little diagonal spaces add up to more comfort for you!

**Knit Blend Arc Rated Test Data**  
 EBT = 10 cal/cm2, HRC Level 2  
 Testing: ASTM F1506, NFPA 70 E



# FR Woven Coveralls and Vests



**A. Style TSP010L Coverall**  
**Coverall with Zippered Boot Openings**

Twill jumpsuit

- TecaSafe® Plus material
- Meets ANSI 107-2010, Class 3 specifications
- Chest, seat and swing pockets
- 2" silver heat transferred trim
- Zipper front closure
- Adjustable wrists
- 16" zippered boot openings.

ATPV = 8.4 cal/cm<sup>2</sup>, HRC Level 2

Testing: ASTM F1506, NFPA 70E, **NFPA 2112 Certified**

Sizes: Small- 6XL

Color: Lime Yellow



**B. Style V-7AFR0412VL**  
**5 Point Breakaway HRC Level 2 Vest**

Twill Vest with Modacrylic binding

- Fiber blend of PPA FR, Cellulosic and Para-Aramid
- Meets ANSI 107-2010, Class 2 specifications
- Public Safety Style 5 point breakaway vest
- Open-sides with adjustable hook & loop
- Radio pocket
- Mic tabs
- 2" Silver heat transferred trim
- 27" length.

ATPV = 8.4 cal/cm<sup>2</sup>, HRC Level 2

Testing: ASTM F1506, NFPA 70E

Sizes: Size R fits M-2XL ; size O fits 3XL-5XL

Color: Lime/Yellow

**3M Scotchlite™**  
Reflective Material

DuPont™  
**NOMEX®**



**C. Nomex® IIIA Coveralls**  
**HRC 1 Protection**

**C010** – 4.5 ounce Nomex® IIIA coveralls. Available in Khaki ,Navy, Orange.

**C020** – 6.0 ounce Nomex® IIIA coveralls. Available in Navy and Orange.

- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper with FR zipper tape
- Heavy duty snaps covered internally
- Two hip pockets with a snap closure on the left hip pocket
- Nomex Ripstop side pass-through pockets
- Pleated bi-swing back with elasticized waistband
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Sewn throughout with Nomex® thread
- Exact chest sizes for a precise fit

**Ratings**

4.5 oz. HRC 1, ATPV 4.6

6.0 oz. HRC 1, ATPV 5.7

*Meets the performance requirements of NFPA 70E Current Edition and ASTM F1506. Acceptable for use in occupations covered by OSHA Final Rule 1910.269*

**NFPA 2112 Certified**





# FR/ARC Rated Rainwear



**Lakeland ARC TECH® Premium Quality Polyurethane FR/ARC Rated Rainwear**  
**ANSI Certified**  
**ASTM Arc and Flash Fire Rated for Electric and Gas Applications**

**Jacket Style No:** AJPU10LY  
**Bib Pant Style No:** ABPU10LYZ

**PU offers Superior Performance vs. PVC:**

**More Comfortable**

- Cooler: Breathes and releases perspiration
- Softer and more flexible
- Lighter weight

**More Durable for Longer Wear Cycle**

- Softness and pliability make it less prone to get caught on branches and brush
- Superior puncture, tear and abrasion resistance
- Reinforced HF welded/sealed seams for maximum strength
- Innovative DRP™ Diamond Reinforced Patch to prevent crotch “blow out”
- Saves money in the long run

Compare the workmanship, features, and attention to detail: you won't find an equal. And you have the assurance of Lakeland-made quality – we don't use contractors.

**Certification:**

Jacket: ANSI 107-2010 Class 3  
Bib Overall: ANSI 107-2010 Class E  
ASTM F1891 • ASTM F2733 • ASTM F903

**FR/Arc Rainsuit Test Data**

Fabric information: 10.0 oz.<sup>2</sup> Polyurethane over FR cotton knit

**Arc Rating:** 16.3 Cal/cm2

**HRC Level:** 2

**Ebtas:** 21.9 Cal/cm2

**HAF:** 84%

**MVTR:** 305G/M<sup>2</sup>/24H

**Total % body burn:** 12.30%

3rd degree burn: 6.55%



**Leg Zippers for Easy On and Off!**



Jacket and Pant garment seams are stitched and HF sealed to prevent liquid penetration



3" internal anti-wicking dam on bottom of jacket and pants to prevent internal moisture migration



Reinforced lanyard opening



Over-size jacket hood with adjustable draw string fits comfortably over a hard hat



Jacket collar with self-stowing hood storage



Ventilated jacket back



Innovative DRP™ Diamond Reinforced Patch to prevent crotch “blow out”



Zipper front closure with hook and loop storm flap prevents liquids from sneaking in



Leg zipper for easy donning and doffing over boots and work shoes.



Non-metallic quick release bib pant strap clips

# FR Clothing



## A. Style Flame Resistant (FR) Shirts and Pants with Everyday Work Comfort Built In!

### ISH7 – Khaki Industrial Shirt

Features include: 7 oz 88/12. 88% cotton/12% nylon material, button down collar, button front closure, 2 ply yoke with placket front, two chest pockets with button flap closure, left pocket with pen slot, long rounded tail, long sleeve with button cuffs.

ATPV= 7 oz. 88/12, HRC Level = 2

### IPT9 – Navy Industrial Pants

Features include: 9 oz 88/12. 88% cotton/12% nylon material, button fly with self locking brass zipper, seven belt loops, two front pockets bar tacked at the bottom of the pocket, two welt hip pockets, Lintrack® permanent creases, left pocket with button closure.

ATPV= 9 oz. 88/12, HRC Level = 2

### IDPT12 - Denim Industrial Jean Pants

Features include: 12.4 oz 88/12. 88% cotton/12% nylon material, two front pockets, right pocket with watch pocket, two patch style hip pockets, button fly with self locking brass zipper, Lintrack® permanent creases, seven belt loops.

ATPV= 12.4 oz. 88/12, HRC Level = 2

*Meets the performance requirements of NFPA 70E Current Edition and ASTM F1506 Current Edition.*

*Acceptable for use in occupations covered by OSHA Final Rule 1910.269 Current Edition*

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## B. Style IJKBD10 Brown Duck Industrial Jacket

### 10.0 oz.88/12 FR cotton Brown Duck

**Liner:** - 9 oz. FR cotton batting quilted to 7.7 oz. pre-shrunk FR cotton with a polyurethane wind barrier.

- Corduroy collar
- Non-metallic heat/FR resistant zipper
- Bi-swing pleated back
- Pleated sleeves
- 4 pocket construction

## C. Style AR51SC-18L Two Layer Coat

13 oz. Indura® Ultra Soft® Outer Layer

9 oz. Indura® Ultra Soft® Inner Layer

Velcro® front closure

Knit wristlets seal around wrists

Stand up collar

Raglan sleeve design offers superior freedom of movement

32" length for full coverage

ATPV= 5.1 oz. 88/12, HRC Level = 4

### AR51B0-18M Two Layer Bib Overalls

13 oz. Indura® Ultra Soft® Outer Layer

9 oz. Indura® Ultra Soft® Inner Layer

Adjustable loop and buckles on bib strap

Tear drop style swing pockets hold plenty of items

Velcro® leg openings with gussets make for easy on and off

### AR51BAG Arc Suit Storage Bag

Storage bag large enough to hold the hood, coat, and bib pants.

*Meets the performance requirements of NFPA 70E Current Edition and ASTM F1506 Current Edition.*

*Acceptable for use in occupations covered by OSHA Final Rule 1910.269 Current Edition.*



## Non Insulated and Insulated FR Clothing with Reflective Trim



### D. Style C081RT and C081 Coveralls

9.0 oz. per square yard FR Cotton  
 NFPA 2112, UL certified  
 Meets the requirements of NFPA 70E  
 ATPV – 12.4, HRC 2

Unique Feature! Flared leg cuffs for ease of donning and doffing!

- C081RT coverall features reflective trim
- C081 coverall has no reflective trim
- Pleated back with elastic waist for better movement and comfort
- Sewn throughout with FR thread, No exposed metal next to skin
- 7 pockets, left chest has safety flap, Swing pockets have internal pass-thrus to eliminate chance of exposure.
- Adjustable sleeve cuffs
- Available colors are Navy, Khaki Gray (C081 also available in orange)

Also available in our 7.0 oz. 88/12 FR.

### E. Style Insulated Coveralls Style IC08RT13

**Outer-shell:** 9.0 oz. pre-shrunk FR cotton treated with a water repellent finish.

**Liner:** 9 oz. FR cotton batting quilted to 7.7 oz. pre-shrunk FR cotton with a polyurethane wind barrier.

**ATPV:** 55 cal/cm<sup>2</sup>, HRC 4

*Outer shell and reflective trim are NFPA 2112 Certified*

- NFPA 2112 Reflective Tape, Thread and Zipper, Extra Reflective Tape for 360° Visibility
- Reinforced stitching, storm flap and oversized pockets
- Bi-swing back and elastic waist for comfort and protection
- Heavy duty hook and loop closures
- Leg zippers with full gussets
- Meets the performance requirements of NFPA 70E current edition and ASTM F1506 Current Edition. Acceptable for use in occupations covered by OSHA Final Rule 1910.269

### F. Style Insulated Parka IP08RT13 Insulated Bib Overalls IB08RT13

**Outer-shell:** 9.0 oz. pre-shrunk FR cotton treated with a water repellent finish.

**Liner:** 9 oz. FR cotton batting quilted to 7.7 oz. pre-shrunk FR cotton with a polyurethane wind barrier.

**ATPV:** 55 cal/cm<sup>2</sup>, HRC 4

*Outer shell and reflective trim are NFPA 2112 Certified*

- NFPA 2112 Reflective Tape, Thread and Zipper, Extra Reflective Tape for 360° Visibility
- Reinforced stitching, storm flap and oversized pockets
- Bi-swing back and elastic waist for comfort and protection
- Heavy duty hook and loop closures
- Non-metallic suspenders
- Leg zippers with full gussets
- Meets the performance requirements of NFPA 70E current edition and ASTM F1506 Current Edition. Acceptable for use in occupations covered by OSHA Final Rule 1910.269



# Pyrolon® FR Disposable Clothing

*Do not use for fire protection. Avoid open flame or intense heat. Pyrolon® Plus 2 garments are not washable. Washing removes the special finishes, thereby removing the flame retardancy, water and oil repellent characteristics.*



## Pyrolon® Plus 2

**Perfect for use over thermally protective and arc protective clothing!**

Pyrolon® Plus 2 offers wet or dry strength superior to that provided by other Flame Resistant disposables. Pyrolon® Plus 2 is breathable, making this a cool and comfortable garment to wear. They can be worn comfortably over Nomex or FR Cotton garments to help keep grease and grime off primary FRC. Can be used to comply with Section 5.1.3 "End-User Requirements" of NFPA 2113

Available in White or Blue.



**Coverall 07412**  
Pyrolon® Plus 2 Coverall, zipper closure.  
**Sizes:** S – 5X  
**Case Pack:** 25



**Coverall 07414**  
Pyrolon® Plus 2 Coverall, zipper closure, attached hood, boots, elastic wrists.  
**Sizes:** S – 5X  
**Case Pack:** 25



**Coverall 07417**  
Pyrolon® Plus 2 Coverall, zipper closure, elastic wrists and ankles.  
**Sizes:** S – 5X  
**Case Pack:** 25



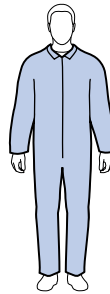
**Coverall 07428**  
Pyrolon® Plus 2 Coverall, zipper closure, attached hood, elastic wrists and ankles.  
**Sizes:** S – 5X  
**Case Pack:** 25



## Pyrolon® XT

**Lakeland Pyrolon® XT coveralls are "Tough as Nails"!**

70% stronger than Pyrolon® Plus 2, these garments are reinforced with a Cerex® Nylon scrim and a repellent finish. Our Pyrolon® XT wear is air permeable with very high MVTR's. They can be worn over Nomex® or Indura® FR cotton garments to help keep grease and grime off the more expensive coveralls. Pyrolon® XT is a cost effective garment for applications where FR clothing is required. Pyrolon® XT can be used in work environments where hazardous or non-hazardous contaminants may be present.



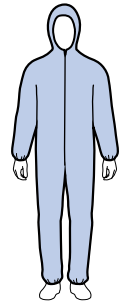
**Coverall 27412**  
Coverall, zipper closure.  
**Sizes:** S – 5X  
**Case Pack:** 25



**Coverall 27414**  
Coverall, zipper closure, attached hood, boots, elastic wrists.  
**Sizes:** S – 5X  
**Case Pack:** 25.



**Coverall 27417**  
Coverall, zipper closure, elastic wrists and ankles.  
**Sizes:** S – 5X  
**Case Pack:** 25



**Coverall 27428**  
Coverall, zipper closure, attached hood, elastic wrists and ankles.  
**Sizes:** S – 5X  
**Case Pack:** 25



## Pyrolon® CRFR

**Disposable, Chemical Resistant, and Flame Retardant, all rolled into one garment.**

Pyrolon® CRFR protective wear...They're unique. They're disposable. They're chemical resistant. And they're flame retardant, meeting NFPA 2113 requirements. Imagine, all these qualities in one protective garment. Only from Lakeland.

Pyrolon® CRFR garments bar contaminating flammables like paint, oil and grease, PCB's in transformer oil, hazardous liquids, and dry particulates from penetrating to inner clothing.

Pyrolon CRFR is designed to be self extinguishing; it won't melt or drip and can be worn over primary thermally protective coveralls where flash fire or arc flash is a concern.



**Coverall 51130**  
Coverall, hood, elastic face, wrists, and ankles.  
**Sizes:** S – 5XL  
**Case Pack:** 6



**Coverall 51150**  
Coverall, hood, elastic face and wrists and attached boots.  
**Sizes:** S – 5XL  
**Case Pack:** 6



**51110**  
Coverall, collar, storm flap over zipper, elastic wrists and ankles.  
**Sizes:** S – 5XL  
**Case Pack:** 6



# Hand Protection



### SpiderGrip® Cut Resistant Work Gloves

Style 96-5205 Spider Grip High Performance Polyethylene (HPPE) polyurethane dipped glove, cut level 3, sizes S-XL

- Advanced protection of high performance fibers
- Seamless design
- Ergonomic fit
- Super cut and Puncture Protection
- Long wearing



### ShurRite® Kevlar® Cut Resistant Gloves

Style 21-1634 7 gauge 100% Kevlar knit glove, black PVC dots, (2 sides), cut level 2, sizes S-XL.

- Excellent cut resistance
- Heat resistant
- Out last cotton, leather and coated gloves
- Excellent dexterity and flexibility
- Breathable for better comfort



### Kevlar® Sleeves

Style 41822 100% Kevlar, 2 ply sleeve, 3" width, cut level 2, 18 in length.

Style 41822TH 100% Kevlar, 2 ply sleeve, 3 in width, thumb hole, cut level 2, 18 in length.

- Excellent cut resistance
- Heat resistant
- Convenient thumb hole design
- Available in 14" to 24 in length



### SpiderGrip® Work Gloves

Style 7-1506 Spider Grip Polyester cotton latex dipped work glove, sizes S-XL

- Crinkle dip latex palm provides excellent grip
- Breathable back for comfort
- Puncture resistant
- Ergonomic fit
- Long wearing

Style 7-1301



Style 7-1506



Style 7-1301 Spider Grip Plus, heavyweight acrylic latex dipped glove, sizes S-XL

- Heavy weight acrylic provides added protecting in low temperature applications
- Crinkle dip latex palm provides excellent grip
- Puncture resistant
- Breathable back for comfort
- Long wearing

### SpiderGrip® Cut Resistant Work Gloves

Style 22-1508 Spider Grip Kevlar® knit latex dipped glove, cut level 2, sizes S-XL

- Advanced protection of high performance fibers
- Seamless design
- Ergonomic fit
- Super cut and Puncture Protection
- Long wearing

# Warranty and Warnings

## Warranty Information

It is the responsibility of the user to select garments and glove products which are appropriate for each intended use and which meet all specified government and industry standards.

**IMPROPER USE OF THESE PRODUCTS MAY RESULT IN PERSONAL INJURY OR DEATH. IMPROPER USE INCLUDES, BUT IS NOT LIMITED TO IMPROPER SELECTION, USE WITHOUT ADEQUATE TRAINING, DISREGARDING THESE WARNINGS AND INSTRUCTIONS SUPPLIED WITH THE PRODUCTS AND FAILURE TO INSPECT AND MAINTAIN THE PRODUCTS. THESE PRODUCTS ARE INTENDED TO BE USED ONLY IN CONJUNCTION WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA) RULES AND REGULATIONS, (<http://www.epa.gov/lawsregs/>) AND THE REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD 29 CFR 1910 AVAILABLE FROM THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, (<http://www.osha.gov>), OR OTHER PERTINENT NATIONALLY RECOGNIZED STANDARDS, SUCH AS THOSE PROMULGATED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) ([www.nfpa.org](http://www.nfpa.org)), THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) ([www.astm.org](http://www.astm.org)), THE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) ([www.cdc.gov/niosh/rpg](http://www.cdc.gov/niosh/rpg)), AND THE U.S. COAST GUARD OR DEPARTMENT OF DEFENSE. It is incumbent upon the wearer and legally required of an employer to read and understand these regulations.**

**THESE PRODUCTS ARE NOT FLAME RESISTANT AND SHOULD NOT BE USED AROUND HEAT, FLAME, SPARKS, OR IN POTENTIALLY FLAMMABLE OR EXPLOSIVE ENVIRONMENTS EXCEPT WHERE OUR GARMENTS ARE SPECIFICALLY ADVERTISED AS FIRE RESISTANT OR RETARDANT.**

**NO EXPRESSED OR IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY OR OTHERWISE IS MADE.** Purchaser and all garment users shall promptly notify Lakeland Industries, Inc. of any claim, whether based on contract, negligence, strict liability or otherwise.

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Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user's responsibility to determine the level of risk and the proper protective equipment needed for the user's particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, **LAKELAND INDUSTRIES, INC. MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.** Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

## Warnings and Limitations

Lakeland's garments are not suitable for use in all situations and environments with all chemical and hazardous materials. All decisions regarding the choice and usage of chemical protective clothing must be done by trained and qualified safety professionals in accordance with all OSHA and EPA Rules and regulations. Failure to follow such regulations absolves Lakeland Industries, Inc. from all liability. It is the user's responsibility to determine the level of exposure and the proper personal protective equipment needed. It is the employer's LEGAL RESPONSIBILITY to provide proper protective clothing to employees, and adequate care, use and maintenance of these garments as only your employer knows the conditions under which the wearer works. Lakeland has no such knowledge, so ask your employer.

Lakeland chemical protective ensembles that are certified to NFPA 1991 require an over-cover. The protective over-cover provides additional protection against abrasion, cut, tear or puncture, and direct flame impingement. (All NFPA compliant Interceptor® ensembles utilize specific, multiple glove combinations and specific boots. All components of the specified ensemble must be worn to be compliant with the requirements of this standard.)

Lakeland protective garments will burn except where our garments are specifically advertised as fire resistant. These garments should not be worn around heat, open flames, sparks or any other possible ignition source nor in potentially explosive or flammable environments.

If a Lakeland protective garment is abraded, cut, torn, punctured or otherwise and in any way breached, do not use. The protective garment material has finite resistance to abrasion, cut, tear and puncture. It is the responsibility of the wearer to inspect Lakeland garments prior to use to insure the integrity of the garments and components.

If a Lakeland protective garment is damaged during use, retreat immediately to a safe environment, thoroughly decontaminate the garment, then dispose of it in a safe manner.

### Limitations of Use

Lakeland protective garments are not intended for protection against radiological hazards.

If the danger of exposure to biological aerosols or chemical warfare chemicals exists, the use of a protective ensemble certified to the optional Chemical and Biological Terrorism requirements of NFPA 1991 (2005 Edition) or garments certified to Class 2 of NFPA 1994 should be considered. Each of these standards provides different levels of performance.

### Chemical Permeation Data

Before using a protective ensemble in a chemical situation, consult the chemical permeation data appropriate to the garment material. Note that seams, visors and closures will generally have lower or different permeation times than the garments' material. This information is to be used as a guide only. The permeation performance of any material depends on a number of factors including chemical concentration, temperature, time and amount of exposure. Due to the large number of variables, it is impossible for all ensemble materials to be tested against all elements, chemicals, all combinations or mixtures thereof, and all temperatures at which the chemical might be encountered.

Chemical permeation tests are performed



under laboratory conditions -- not actual workplace conditions. They address chemical breakthrough characteristics and do not account for physical performance characteristics that affect a barrier such as abrasion, flex fatigue, puncture, tear, oxidative degradation, or degraded performance due to previous use contaminations.

No single protective material will protect against all chemicals for all situations. The best course of action is to test the primary protective garment materials against the specific chemical hazard, at the temperature and in the concentrations to be encountered. Lakeland Industries, Inc. will provide free swatches of primary garment materials for testing and can provide you with a list of testing facilities.

#### Never Use Pure Oxygen

The use of 100% oxygen with these garments presents serious fire safety and health hazards. Use only properly functioning breathing quality, compressed air, air line supplied breathing air, or a rebreather system. Note that some rebreather systems utilize small oxygen cylinders, but these do not create enriched oxygen atmosphere.

Wearing garments made of fire retardant cottons, aramids or modacrylics under or over Lakeland light non-woven or ChemMax® garments will not reduce burn injury during a flash fire. Chemmax® garments will burn and possibly melt when exposed to flash fire; this is likely to increase burn injuries even when worn over flame resistant fabrics. This is also true of Lakeland MicroMax® NS, MicroMax® NS Cool Suit, MlcroMax®, MicroMax® HBF, MicroMax® 3P, MicroMax® 3P Cool Suit, SafeGard®, SafeGard® Economy SMS, ZoneGard®, Rytex® and other Lakeland light non-woven fabric lines. However, Pyrolon® fabrics and garments are intended to be worn over fire retardant cottons, aramids and modacrylics.

Therefore users of any of these flammable garments should not enter an environment in which the concentration of flammable gas (such as paint fumes, hydrocarbon fumes or pure oxygen) has reached a concentration which is within flammable, ignitable or explosive limits, causing a fire or flash fire.

Simply stated, if there is a flash fire, nothing will protect you from severe burns or death. Therefore, it is the user's responsibility to think before working in even a potential flammable gaseous atmosphere.

Lakeland's light non-woven fabrics, Chemax® and Interceptor® line, are not intended for fire fighting activities, nor for protection from hot liquids, steam, molten metals, welding, electrical arc or thermal radiation. **USE COMMON SENSE! DO NOT SMOKE, OR USE ELECTRICAL MACHINERY, AND INSURE USE OF PROPER BONDING AND GROUNDING** where flammable gas, liquids or solids exist. Anti-static treatments and coatings are not adequate for all environmental conditions. Static electricity in non-humid or winter environments can cause a deadly flash fire where flammables are present in the workplace. Lakeland's garments are intended to help reduce the potential for injury, but no protective apparel alone can eliminate all risk of injury. When dealing with fire, heat, or flammable atmospheres, or even the potential of same, look to Lakeland's **FIRE RESISTANT/RETARDANT APPAREL LINES.**

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Lakeland delivers the best, most innovative Protective Clothing products and fabric choices available anywhere in the world.

**Broadest range of products and fabrics**

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Lakeland protects people. It is our core business. Unlike our competitors, we don't use contractors. We make our own apparel, so we have maximum control over quality and delivery.

For most contractors, protective clothing is only a portion of their business, and they lack our expertise and focus on protecting the end user- whereas that is what we are all about. We design the fabric, we make the garment, we inspect it, we ship it. And you know who to call.

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