



# FR PROTECTIVE APPAREL

## High Performance FR

### Knit Button-Up Shirts

Only 16-Cal Button-up  
on the Market

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### Award-winning Waffle Knit Hoodie

Pull over design with built-in  
balaclava

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### Stylish Quarter Zip Sweater

Soft, comfortable, stylish

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Two Toned Mid-Weight Fleece

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# PROTECTING WORKING PROFESSIONALS SINCE 1982



For over 40 years, Lakeland Industries has been a global manufacturer of premium protective clothing. Providing products to working professionals in Electric and Gas Utilities, Oil and Gas industry, General Manufacturing, and the Petrochemical sector, we pride ourselves in helping keep workers safe on the job and comfortable at home.

# HIGH PERFORMANCE FR WORKWEAR



# LAKELAND'S FR/AR LAYERING SYSTEM — EACH LAYER HAS A PURPOSE

Whether you're working on a sizzling summer day or in -10 degrees, Lakeland's FR/AR layering system offers the performance, protection, and comfort you need. Permanent moisture wicking properties engineered with inherently FR fabrics ensure your year-round comfort and safety.



**BASE** layers are the foundation of the Lakeland FR/AR layering system. For you to be cool in hot conditions, you need to be dry. Base layer shirts have the optimal 60/40 blend of hydrophobic and hydrophilic fibers to constantly pull moisture away from your body, move it to the outer surface of your workwear, and allow it to stay dry - the key to keeping you comfortable and better protected.

**MID** layers are the versatile garments that can help take the chill off for a few hours on a fall morning or provide an extra layer of insulation for those long, frigid winter days. Paired with a BASE layer, MID layers continue to pull moisture away from your body and move it to the outermost garment so it can dry. Lightweight, effective fabrics let MID layers increase comfort without reducing mobility.

**OUTER** layer garments help complete the Lakeland FR/AR system, giving you the comfort and protection you require. Moisture wicking fabrics continue the process of pulling moisture away from the body to the outermost layers, allowing for faster drying times while keeping the elements at bay.

# MOISTURE WICKING FABRICS: THE KEY TO COOL SUMMERS AND WARM WINTERS

## Why Moisture Wicking Matters

Choosing FR workwear plays a critical role in worker safety and comfort. Looking for shirts, pants, and outerwear with moisture-wicking properties can help:

- *Help Prevent Heat Stress*  
Prevent heat stress to avoid overheating and heat stroke
- *Provide an Effective Base Layer* so that you stay warm during winter months and cool during summer months



## Moisture-wicking Fabrics and Technology

Moisture-wicking fabrics were originally created to help boost athletic performance in extreme outdoor situations by keeping athletes drier and cooler in hot conditions, and warmer and drier in cold weather.

The original moisture-wicking fabrics started with a synthetic fiber, like polyester, and the application of a chemical finish which allowed moisture to spread. Eventually the finish would wash out and the fabric lost its wicking abilities. These “original” fabrics are still in the marketplace and can be easily identified.

## What are Moisture-wicking Fibers?

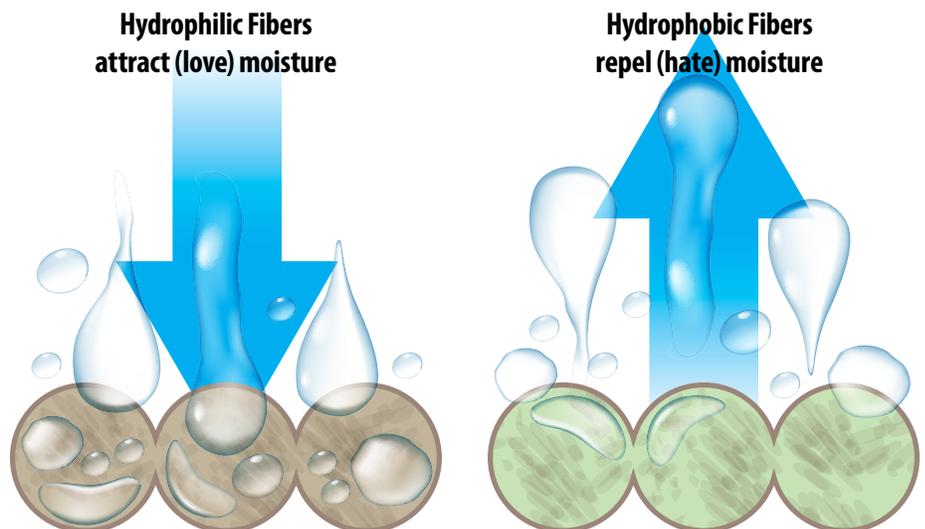
Superior moisture-wicking fabrics combine two types of fibers together: **hydrophobic** (water repelling) and **hydrophilic** (water attracting). Hydrophobic fibers are synthetic, and include, nylon, aramids, and monoacrylics. Hydrophilic fibers feel natural against the skin, and include cotton, wool, and lyocell.

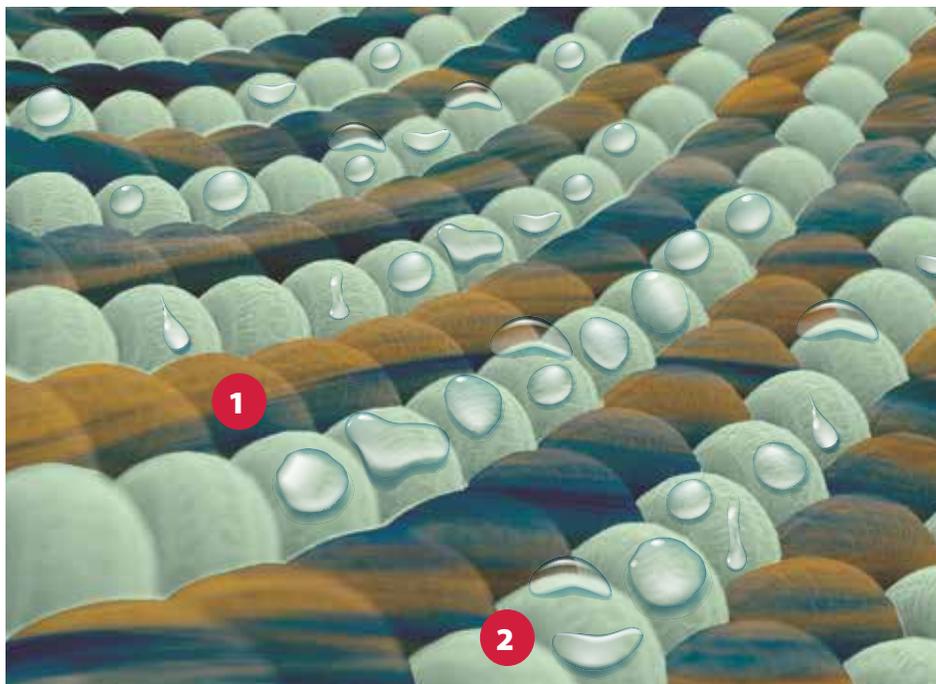
This combination of fibers, spun together with precision, result in workwear with permanent moisture-wicking technology.

## FR workwear use?

Check the tag to find out. A garment with 100% of any fiber, along with claims of moisture-wicking properties, identifies the presence of a fabric with a chemical finish.

## What fiber blend does your





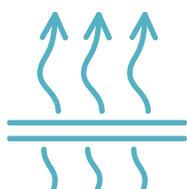
### How Does Moisture Wicking Work?

The act of wicking moisture away from the body is rooted in science. Superior moisture-wicking workwear will:

1. Absorb moisture and sweat with hydrophilic fibers
2. Push moisture and sweat away from the body with hydrophobic fibers, then pull the moisture and sweat through the garment to the outside for quick dispersion and drying

**Lakeland high performance FR apparel takes moisture wicking to the next level. All high performance FR fabrics from Lakeland incorporates the use of hydrophilic and hydrophobic fibers, so you stay dry and comfortable regardless of the temperature or season**

#### Air Permeability



Breathability of the fabric, or air permeability, is important to keep you cool on the job.

#### Vertical Moisture Wicking



Vertical moisture wicking measures how well a garment pulls moisture off of your skin into the fabric.

#### Transport of Moisture



Transport of moisture refers to a garment's ability to move moisture through the fabric to the outside surface.

#### Spread of Moisture



Spread of moisture measures how quickly moisture spreads on the surface. The faster it spreads dictates how quickly you will feel dry.

#### Water Vapor Transmission Rate



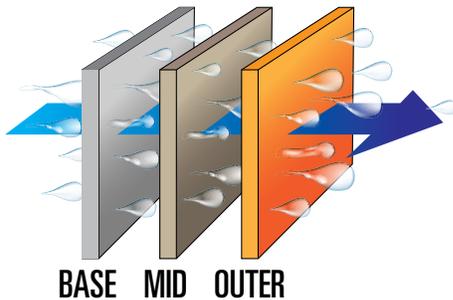
Water vapor transmission rate measures how quickly moisture dissipates through a garment.

# FR LAYERING FOR WARM, DRY WINTERS

## Understanding FR Layering Systems

A layering system is designed specifically to work together, layer by layer, to keep you dry and warm. Starting with a base layer that consists of permanent moisture-wicking fibers, each additional outer layer should have the same characteristics – keep out the elements and wick moisture away from your body.

- The base layer (or next-to-skin garment) must offer permanent moisture-wicking capabilities, to pull sweat off your skin quickly to keep you feeling dry. Why? Because a moisture-wicking chemical finish will eventually wash away.
- Every additional layer, whether it is a button up shirt, hooded sweatshirt or jacket, must all be created with permanent moisture-wicking capabilities to **pull moisture through the fabric and dissipate the moisture on the outer surface.**
- If moisture gets trapped between layers, you'll begin to feel damp and cold. All layers must work together to keep the elements out and wick moisture away so you can stay dry and maintain warmth.



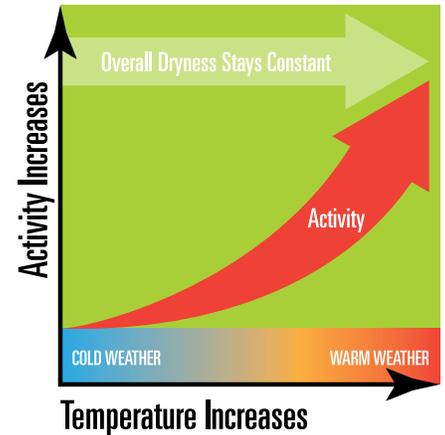
Understanding the correct way to layer apparel to maintain body temperature, dryness, and protection from the elements takes more than just a system - it takes a system with the right fabrics and technology.

## Moisture Wicking Matters for Warmth

As you add and remove layers in cold weather climates, you rely on your FR workwear to offer you protection, comfort, and dryness.

Lakeland high performance FR apparel features a 60/40 hydrophobic and hydrophilic fiber blend, which means you are getting the optimal moisture wicking benefits from your apparel.

As your activity level increases, you shouldn't notice a difference in overall dryness. Permanent moisture-wicking fibers in your layering system should work to keep you dry with every added layer - so you never feel wet on the job.



As temperatures fluctuate, your layering system should work with you to keep you both dry and warm. A layering system designed to function effectively in every climate, regardless of activity level, is the ultimate goal..



Every layer of apparel you wear on the job matters.

Each layer should include permanent moisture wicking to ensure the effectiveness of your total system. Next to skin, your workwear is critical for cooling and drying, so each layer must move moisture away from the body.

When you work in unforgiving temperatures, the ability to effectively layer your workwear is essential for safety and optimal performance.

Lakeland's hoodie and jacket are water and wind resistant PLUS moisture wicking. Keeping out the elements while moving moisture away from your body is the key to the performance of an effective layering system.

BASE

MID

OUTER



# UNDERSTANDING ARC FLASH PROTECTION WHEN LAYERING GARMENTS

**BASE**



High Performance FR Knit  
(long sleeve or long sleeve Henley style)  
ATPV: 16.4 cal/cm<sup>2</sup>

**MID**



Westex® DH Shirt  
ATPV: 8.9 cal/cm<sup>2</sup>

**+** **=** **28 cal/cm<sup>2</sup>**  
**CAT 3**



High Performance FR Knit  
(long sleeve or long sleeve Henley style)  
ATPV: 16.4 cal/cm<sup>2</sup>

**+** **=** **43 cal/cm<sup>2</sup>**  
**CAT 4**



High Performance FR  
8.0 oz Waffle Cut FR  
ATPV: 9.7 cal/cm<sup>2</sup>



High Performance FR Knit  
(long sleeve or long sleeve Henley style)  
ATPV: 16.4 cal/cm<sup>2</sup>

**+** **=** **45 cal/cm<sup>2</sup>**  
**CAT 4**



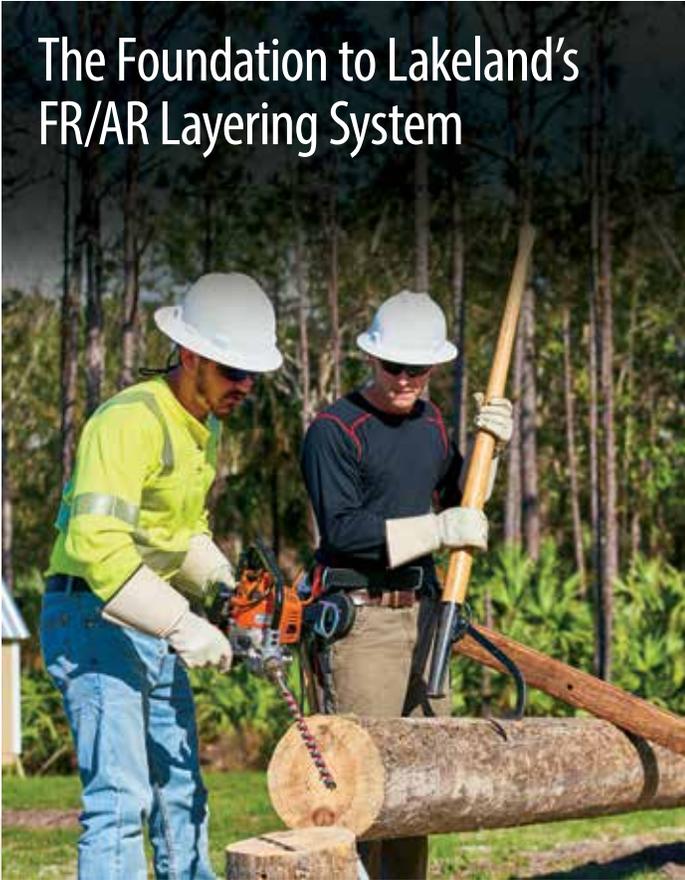
High Performance FR  
Sweater Knit  
ATPV: 14 cal/cm<sup>2</sup>

When layering multiple pieces of workwear, the specific combination of clothing must be tested together to determine their effective arc rating. Lakeland's FR/AR layering system offers some of the highest levels of protection in the industry, along with the added benefits of inherent FR, lightweight fabrics, and permanent moisture-wicking technology.



# MEN'S HIGH PERFORMANCE FR KNITS

Lightweight | Inherently FR | Permanent Moisture Wicking



The Foundation to Lakeland's FR/AR Layering System

### MAXIMUM PROTECTION AND MAXIMUM FEATURES

- Unparalleled CAT 2 protection at 16.4 cal/cm<sup>2</sup>
- NFPA 70E and NFPA 2112 - UL Certified
- Moves moisture away from your body faster, from front to back, to spread quicker for superior drying
- Excellent breathability
- Soft and comfortable
- Hi-Vis versions feature reflective trim, meeting ANSI 107 Class 3 for visibility
- Hi-vis reflective trim allows for corporate logo imprint over pocket

### Specifications:

**Fabric:** 6.95 oz. Inherently FR Lightweight Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 16.4 cal/cm<sup>2</sup>    **CAT:** 2

**Sizes:** Small – 6XL, Talls Available MD-4X

**Colors:** Available in Black, Khaki, Heather Gray, Hi-Vis Yellow with reflective trim for low light visibility



## High Performance Knit Features

- Drop shoulder design
- No seam on top of shoulder or under arm
- Left chest pocket
- Flat seam construction to reduce chafing
- Rolled side seam to front and back for superior comfort



Tag free collar for greater comfort



Sleeve labeling quickly identifies garment standards

NEW

Room above the pocket for your corporate logo





16.4 cal

**SSCAT**  
Men's Short Sleeve Crew with Pocket



16.4 cal

**LSCAT**  
Men's Long Sleeve Crew with Pocket



16.4 cal

**HSAT**  
Men's 3-Button, Long Sleeve Henley with Pocket

## High Performance FR Hi-Vis Knits



16.4 cal

**SSCAT29RT**  
Men's Hi-Vis Short Sleeve Crew with Pocket and reflective trim for low light visibility



16.4 cal

**LSCAT29RT**  
Men's Hi-Vis Long Sleeve Crew with Pocket and reflective trim for low light visibility



16.4 cal

**HSAT29RT**  
Men's Hi-Vis 3-Button, Long Sleeve Henley with Pocket and reflective trim for low light visibility



16.4 cal

**ISHAT29RT**  
The ONLY 16 cal Men's Hi-Vis Long Sleeve Button-down shirt in the industry. With chest pockets and reflective trim for low light visibility



# WOMEN'S HIGH PERFORMANCE FR KNITS

Lightweight | Inherently FR | Permanent Moisture Wicking



LSCWAT06



LSCWAT20

## FR/AR Protection Tailored for Women!

Lakeland's line of high performance FR/AR workwear features superior protection and designs for women. These FR knit shirts are classically tailored for a more accurate fit.

- Unparalleled Cat 2 protection at 16.4 cal/cm<sup>2</sup>
- NFPA 70E and NFPA 2112 - UL Certified
- Moves moisture away from your body faster, from front to back, to spread quicker for superior drying
- Excellent breathability
- Soft and comfortable

### Style Numbers:

LSCWAT – Women's Long Sleeve Crew

HSWAT – Women's 3-Button, Long Sleeve Henley

### Specifications:

**Fabric:** 6.95 oz. Inherently FR Lightweight Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 16.4 cal/cm<sup>2</sup>     **CAT:** 2

**Sizes:** XS - 4X, Talls Available MD - 2X

**Colors:** Available in Heather Gray and Khaki





HSWAT06



HSWAT20



# HIGH PERFORMANCE FR KNIT BUTTON-UP

Lightweight | Inherently FR | Permanent Moisture Wicking

The only 16-cal button-up shirt in the industry. Featuring Lakeland's lightweight knit fabric with permanent moisture-wicking technology, you'll love the optimal fabric blend and stylish design.

- 6.9 oz. Lightweight Knit
- Inherently FR
- Permanent Moisture Wicking
- Excellent Mid Layer Option
- Shirt Features:
- Button-Down Collar
- Athletic Cut
- Tag Free Collar for Greater Comfort
- Two Chest Pockets
- Hi-Vis Style features reflective trim for low light visibility
- Hi-Vis Style meets ANSI 107 Class 3
- **Winner of the 2021 Top Tools of the Trade Award**

**Style Numbers:**

ISHAT

**Specifications:**

**Fabric:** 6.9 oz. Inherently FR Knit Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 16.4 cal/cm<sup>2</sup>      **CAT:** 2

**Sizes:**

**Khaki and Gray:** SM-5XL, Talls Available MD - 4X

**Hi-Vis:** XS-5XL, Talls Available MD - 4X

**Colors:** Available in Khaki, Gray and Hi-Vis Yellow



16.4 cal

ISHAT06



The ONLY

16 cal



16.4 cal

16.4 cal

ISHAT20

ISHAT29RT

Button-up shirt in the industry!

# 6.5 OZ. WESTEX® DH BUTTON-UP SHIRTS

Lightweight | Inherently FR | Permanent Moisture Wicking



8.9 cal

ISH65DH

Westex®  
DH

Drop shoulder design

Button-down collar

Left pocket with pen slot

Athletic cut



Tag free collar for greater comfort



Long rounded tail keeps shirt tucked in for neater appearance



Button closure keeps pockets secure



Never lose a pen with the left pocket pen slot

## Perfect for Mid-layer Protection

- Inherent moisture management
- 6.5 oz. lightweight inherently FR fabric
- Dual Hazard Protection for Arc Flash and Flash Fire
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2
- Excellent breathability
- FR protection cannot be washed out or worn away
- Soft and Comfortable
- Hi-Vis Style features reflective trim for low light visibility
- Hi-Vis Style meets ANSI 107 Class 3

### Style Numbers:

ISH65DH

ISH65DH29RT - Hi-Vis Yellow

### Specifications:

**Fabric:** 6.5 oz. Westex® DH, Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 8.9 cal/cm²

**CAT:** 2

**Sizes:** Small – 6XL, Talls Available MD-4X

**Colors:** Available in Navy Blue, Khaki, Gray, Medium Blue, Royal Blue and Hi-Vis Yellow





Westex<sup>®</sup>  
DH

8.9  
cal

ISHW65DH

8.9  
cal

ISHW65DH29RT

# WOMEN'S 6.5 OZ. WESTEX<sup>®</sup> DH BUTTON-UP SHIRTS

Lightweight | Inherently FR |  
Permanent Moisture Wicking

For a classic, professional look, this women's button-up offers inherent FR protection with a tailored, functional design.

- Inherent moisture management
- 6.5 oz. lightweight inherently FR fabric
- Dual Hazard Protection for Arc Flash and Flash Fire
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2
- Excellent breathability
- FR protection cannot be washed out or worn away
- Soft and Comfortable
- Hi-Vis Style features reflective trim for low light visibility
- Hi-Vis Style meets ANSI 107 Class 3

#### Style Numbers:

ISHW65DH

Women's Khaki Button Down

ISHW65DH29RT – Women's Hi-Vis Yellow with  
Reflective Striping

#### Specifications:

**Standard:** NFPA 70E,  
NFPA 2112 - UL Certified

**ATPV:** 8.9 cal/cm<sup>2</sup>      **CAT:** 2

**Sizes:** XS - 3X, Talls Available MD - 3X

**Colors:** Available in Khaki and  
Hi-Vis Yellow



# HIGH PERFORMANCE FR WAFFLE

Exclusive Waffle Cut Fabric

2021 NECA  
**Show  
Stopper**



LSCMWZ



LSCMWH

## Waffle Cut FR Quarter Zip

Exclusively from Lakeland!

Waffle Cut Fabric meets High Performance FR Design for the ultimate MID Layer Garment.

- Quarter Zip Design
- Lightweight MID Layer Fabric
- Permanent Moisture Wicking
- Soft hand with a bit of added stretch for comfort
- NFPA 2112 - UL Certified
- NFPA 70E, CAT2

### Style Numbers:

LSCMWZ

### Specifications:

**Fabric:** 8.0 oz. Waffle Cut Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 9.7 cal/cm<sup>2</sup>      **CAT:** 2

**Sizes:** XS - 5XL, Talls available MD-4X

**Colors:** Black



## Waffle Cut FR Hoodie w/ Neck Gaiter

Exclusively from Lakeland!

Waffle Cut Fabric meets High Performance FR Design for the ultimate MID Layer Garment.

- Pullover Hoodie Design
- Integrated Neck Gaiter for additional protection of neck, mouth and nose
- Lightweight MID Layer Fabric
- Permanent Moisture Wicking
- Soft hand with a bit of added stretch for comfort
- NFPA 2112 - UL Certified
- NFPA 70E, CAT2

- **Winner of the 2021 NECA Showstopper Award**

### Style Numbers:

LSCMWH

### Specifications:

**Fabric:** 8.0 oz. Waffle Cut Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 9.7 cal/cm<sup>2</sup>      **CAT:** 2

**Sizes:** XS - 5XL, Talls available MD-4X

**Colors:** Black



# HIGH PERFORMANCE FR SWEATER KNIT

Lightweight | Inherently FR | Permanent Moisture Wicking



LSCSK06

## Tough on the Outside, Soft on the Inside - Warm All Around

It's hard to believe this is FR. Lakeland's high performance FR sweater knit is ideal for cold weather conditions. A flat seam construction with contrasting black threads enhance the sleek look, while permanent moisture-wicking technology and horizontal stretch will keep you comfortable. The unique design makes for a mobile fit that can be worn as a single layer or a mid-layer in Lakeland's layering system.

- Inherently FR Sweater Knit Fabric
- NFPA 70E - CAT2 at 14.0 cal/cm<sup>2</sup>
- Permanent Moisture Wicking Technology

### Style Numbers:

LSCSK06

### Specifications:

**Fabric:** 11.0 oz. Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 14.0 cal/cm<sup>2</sup>

**CAT:** 3

**Sizes:** XS - 5XL, Talls Available MD - 4X

**Colors:** Gray



# HIGH PERFORMANCE FR POLAR FLEECE

Lightweight | Inherently FR | Permanent Moisture Wicking



IJKTFF01

## Sporty and Made to Perform

The FR Polar Fleece Pullover combines two different fabrics for durability and comfort. With a sporty black and gray color-block design, this 12 oz piece can easily be a go-to for the fall season. Our signature gray high performance FR fabric is combined with a cozier fleece and moisture-wicking technology to keep you cool and dry all year long.

### FR Fabric Features (Top Jacket):

- 12 oz. Lightweight Inherently FR Fabric
- NFPA 70E CAT 3 at 28 cal/cm<sup>2</sup>
- Permanent Moisture Wicking

### Fleece Fabric Features:

- 11.5 oz. Lightweight Inherently FR Fabric
- NFPA 70E CAT 4 at 40 cal/cm<sup>2</sup>
- Permanent Moisture Wicking

**Style Numbers:** IJKTFF01

### Specifications:

#### Top Jacket

**Fabric:** 12.0 oz. Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 28 cal/cm<sup>2</sup>

#### Fleece Fabric

**Fabric:** 11.5 oz. Inherently FR Fabric

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 40 cal/cm<sup>2</sup>

**Sizes:** XS - 5XL, Talls Available MD - 4X

**Colors:** Gray/Black



# HIGH PERFORMANCE FR HOODIES

Dual Hazard | Water and Wind Resistant



28 cal



Hi-Vis!

28 cal



28 cal

Choose Zip Front or Pullover!

## Pull-over or Zip-up Hoodies Made to Perform

- Permanent moisture wicking
- Inherently FR Fabric
- Dual certified – NFPA 70E, NFPA 2112 - UL Certified
- Front hand warmer pockets
- Sleeves feature rib-knit cuffs
- Hi-Vis Style features reflective trim for low light visibility
- Water and Wind Resistant

**Style Numbers:**

- IHDP12ANT – Pullover Hoodie
- IHPANT29RT – Hi-Vis Pullover Hoodie with Reflective Trim
- IHD12ANT – Zipper Front Hoodie

**Specifications:**

**Fabric:** 12.3 oz, water and wind resistant

**Fabric Content:** 48% modacrylic, 37% Tencel®, 10% Twaron®, 5% Spandex®

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 28 cal/cm²

**CAT:** 3

**Sizes:**

**Pullover:**

XS - 5XL, Talls Available MD - 4X

**Zip Front:**

SM - 5XL, Talls available MD-4X

**Color:** Black or Hi-Vis Yellow



# HIGH PERFORMANCE FR JACKETS

Dual Hazard | Water and Wind Resistant



Hi-Vis!

28 cal

## Sleek, Comfortable Outer Layer Options

- Permanent moisture wicking
- Inherently FR Fabric
- Dual certified – NFPA 70E, NFPA 2112 - UL Certified
- Smooth finish is extremely abrasion resistant and prevents snagging
- Front hand warmer pockets
- Hi-Vis Style features reflective trim for low light visibility
- Water and Wind Resistant

**Style Numbers:**

IJKT12ANT – Jacket

IJKT12ANT29RT – Hi-Vis Jacket with Reflective Trim

**Specifications:**

**Fabric:** 12.3 oz, water and wind resistant

**Fabric Content:** 48% modacrylic, 37% Tencel®, 10% Twaron®, 5% Spandex®

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 28 cal/cm² **CAT:** 3

**Sizes:** XS - 5XL, Talls Available MD - 4X

**Color:** Heather Gray or Hi-Vis Yellow



# High Performance FR Camo Jacket



15.0 cal

- Inherently FR Fabric
- Smooth finish is extremely abrasion resistant and prevents snagging
- Four 6" zipper pockets (2 hand pockets, 1 left chest pocket, 1 arm/sleeve pocket)
- Wind and water resistant

**Style Numbers:**

JKTAT30 – FR Camouflage Jacket

**Specifications:**

**Fabric:** 8.0 oz, Inherently FR, wind proof, water resistant

**Standard:** NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 14.6 cal/cm² **CAT:** 2

**Sizes:** Sizes: SM - 4XL

Talls Available LG - 4X

**Color:** Camo



# HIGH PERFORMANCE FR LIGHTWEIGHT PANTS

## DUAL HAZARD | MENS/WOMENS



9.8 cal

**IP8WUT - Men's  
IP8WWUT - Women's  
Dual Certified Lightweight Pant**

- 8oz UltraSoft® Basketweave
- Wider waist band for increased comfort
- Crotch gusset for increased comfort
- Articulated knees for increased mobility and comfort
- Extra material heel to prevent wear
- Right leg cell phone pocket
- Right leg stealth zippered pocket
- Articulated back pockets-more comfortable

**Fabric:** 8oz 88/12 Westex® Basketweave

**ATPV:** 9.8 cal/cm<sup>2</sup>

**Sizes:**

**Men:** 28-36, 38-50 Even, Inseams 30-36

**Women:** 0 - 20 Even, Inseams 28 - 34

**Colors:** Navy Blue, Khaki, Olive Green



**Westex  
UltraSoft®**

# FR COVERALLS



# WHAT MAKES A GOOD COVERALL?



## **Pleated Shoulders**

to make sure you can reach and move as freely as you need to

## **NFPA 2112 -**

**UL Certified and NFPA 70E for dual-hazard protection**

## **Easily Identify**

the protection level the garment offers

**All Snaps and Zippers** covered by FR fabric

## **Elastic Waist**

for a more comfortable fit

## **Pass Through Pockets**

let you easily access undergarments

## **Reflectivity Options**

Silver Reflective Trim



# FR COVERALLS

**C065DH**  
**6.5 oz. Westex® DH FR Coverall**

**Maximum Protection**

- 6.5 oz. lightweight inherently FR fabric
- Excellent breathability
- FR protection cannot be washed out or worn away
- Optimized moisture management

**Maximum Features**

- Pleated bi-swing back gives superior freedom of movement
- Elastic waist provides better comfort
- All exposed metal next to skin (snaps, etc.) are FR fabric covered for maximum protection
- Sewn throughout with FR thread
- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper
- Two hip pockets with a snap closure on the left hip pocket
- Two swing pockets with internal pass-thrus
- Utility pocket on right leg
- Adjustable sleeve cuffs

**Fabric:** 6.5 oz. Westex® DH, inherently FR fabric

**ATPV:** 8.9 cal/cm<sup>2</sup>

**Sizes:** 36 to 66, Talls also available

**Colors:** Navy, Khaki, Royal Blue, Orange and Safety Yellow



Covered snap closures



Pocket labeling helps you quickly identify garment standards!



Two hip pockets – snap closure on left pocket



8.9 cal

**Westex®**  
**DH**

Pleated bi-swing back gives superior freedom of movement, while the elastic waist provides better comfort



# HI-VIS FR COVERALL, ANSI 107 CLASS 3

**TSP010**

**6.5 oz Westex® DH Hi-Vis Coverall**

## Maximum Protection

- Lightweight, Inherently FR Fabric
- Excellent breathability
- FR protection cannot be washed out or worn away
- Optimized moisture management

## Maximum Features

- Pleated bi-swing back gives superior freedom of movement
- Elastic waist provides better comfort
- All exposed metal next to skin (snaps, etc.) are FR fabric covered for maximum protection
- Sewn throughout with FR thread
- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper
- Two hip pockets with a snap closure on the left hip pocket
- Two swing pockets with internal pass-thrus
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Features reflective trim for low light visibility

**Fabric:** 6.5 oz. Westex® DH Inherently FR Fabric

**Standards:** ANSI 107 Class 3, NFPA 70E, NFPA 2112 - UL Certified

**ATPV:** 8.9 cal/cm<sup>2</sup>

**Sizes:** 36 to 66, Talls also available

**Colors:** Hi-Vis Yellow



Covered zipper front closure



Adjustable wrists



16" zippered boot openings

8.9 cal

**Westex®**  
**DH**



**C010/C020**

**DuPont™ Nomex® Essential Coveralls**

- 2 chest patch pockets
- Pleated bi-swing back with elastic waistband
- Heavy duty 2-way zipper
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Hip pockets with snap closure on left pocket
- Exact chest sizing

**C010 – 4.5 oz. DuPont™**

**Nomex® Essential**

ATPV: 4.6 cal/cm<sup>2</sup>

Sizes: 36 to 66, Talls also available

Colors: Navy and Khaki



**C020 – 6.0 oz. DuPont™**

**Nomex® Essential**

ATPV: 5.6 cal/cm<sup>2</sup>

Sizes: 36 to 66, Talls also available

Colors: Navy and Orange



4.6 cal

5.6 cal

C010

C020

DUPONT  
**Nomex**  
Essential



Navy

Khaki

Orange



9.8 cal

NC070FRC



9.8 cal

NC070FRCRT

**NC070FRC/NC070FRCRT**

**7 oz. FR Cotton Coverall**

**Fabric:** 7 oz. 100% FR cotton twill

**ATPV:** 9.8 cal/cm<sup>2</sup>

Meets ASTM F1506

**Maximum Protection!**

- Pleated bi-swing back gives superior freedom of movement
- Elastic waist provides better comfort
- All exposed metal next to skin (snaps, etc.) are FR fabric covered for maximum protection
- Sewn throughout with FR thread
- "RT" style has silver reflective trim

**Maximum Features and Value!**

- Two patch breast pockets, left chest pocket has a pen slot
- Heavy duty, two-way quick release brass zipper
- Two hip pockets with a snap closure on the left hip pocket
- Two swing pockets with internal pass-thrus
- Utility pocket on right leg
- Adjustable sleeve cuffs
- Pre-shrunk fabric

**Sizes:** Small – 5XL, Talls also available

**Colors:** Navy, Khaki and Gray



## FR COVERALLS

8.9  
cal

C071

C071RT



Khaki



Gray

**Style C071/C071RT****7 oz. FR Cotton Coverall**

- Flared leg cuffs
- Pleated back with elastic waist
- 7 pockets
- Adjustable sleeve cuffs
- Sewn throughout with FR thread
- "RT" style has silver reflective trim
- Pre-shrunk fabric

**Fabric:** 7 oz. 88/12 FR Cotton**ATPV:** 8.9 cal/cm<sup>2</sup>**Sizes:** Small – 6XL, Talls also available**Colors:** Navy, Khaki and Gray



12.4 cal

C081

C081RT



Khaki



Navy

**Style C081/C081RT**  
**9 oz. FR Cotton Coverall**

- Flared leg cuffs
- Pleated back with elastic waist
- 7 pockets
- Adjustable sleeve cuffs
- Sewn throughout with FR thread
- "RT" style has silver reflective trim
- Pre-shrunk fabric

**Fabric:** 9 oz. 100% FR Cotton  
**ATPV:** 12.4 cal/cm<sup>2</sup>  
**Sizes:** Small – 6XL, Talls also available  
**Colors:** Navy, Khaki and Gray



# FR OUTERWEAR



39 cal



## Need Pockets? This Has Six.



Two inside coat pockets, plus four more outside!

### NIJKBD10

#### Dual Certified FR Insulated Jacket

- 10 oz. Brown duck outer shell
- 11.8 oz Protect 400 Liner
- D-ring pass thru standard
- Corduroy collar
- 4 pocket construction
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 3

ATPV: 39 cal/cm<sup>2</sup>

CAT: 3

Sizes: Small – 5XL

Color: Brown



### JACKET FEATURES

## Hook-up to Safety in Extreme Cold with Our Industrial Jacket

### Standard D-ring Pass Thru

Hidden underneath a Velcro® secured flap is a standard feature D-ring pass thru. We know that working at heights occurs no matter the weather forecast.



# FR ARC RAINWEAR



# ARC X BY LAKELAND – POLYURETHANE FR/ARC RATED RAINWEAR



Lakeland's ARC X Polyurethane FR/Arc rated rainwear offers premium features and unbeatable value.

## More Comfortable

- Breathes and releases perspiration
- Softer and more flexible than other rainwear fabrics
- Polyurethane stays flexible in cold weather
- Lighter weight

## More Durable for Longer Wear Cycle

- Softness and pliability make it less prone to get caught on branches and brushes and not tear
- Superior puncture, tear and abrasion resistance
- Reinforced HF sealed seams for maximum strength
- Innovative DRP™ Diamond Reinforced Patch to prevent crotch “blowout”
- Saves money in the long run

### Specifications

Fabric:	10.0 oz. <sup>2</sup> Polyurethane over FR cotton knit
Arc Rating:	CAT 2/ 16.3 cal/cm <sup>2</sup>
Ebtas:	21.9 cal/cm <sup>2</sup>
HAF:	84%
MVTR:	305G/M <sup>2</sup> /24H
Total % Body Burn:	19.67%
3rd Degree Body Burn:	6.55%
Jacket Certification:	ANSI/ISEA 107-2015 Type R Class 3
Bib Pants Certification:	ANSI/ISEA 107-2015 Class E
Test Methods:	ASTM F1891 Standard Arc Flash ASTM F2733 Standard Flash Fire ASTM F903 Standard Chemical



AJPU10LY

### Features Designed to Keep You Dry

- All seams are stitched and high-frequency sealed
- Over-size jacket hood with adjustable draw string fits comfortably over a hard hat
- Jacket collar with self-stowing hood storage
- Front storm flap with hook and loop closure
- Ventilated jacket back
- Reinforced lanyard opening
- 3" internal anti-wicking dam on bottom of jacket and pants to prevent internal moisture migration
- Two oversize lower front pockets with hook and loop closure and pull tabs, plus hand warmer openings
- Hook and loop adjustable jacket cuffs for optimal fit and comfort

**ARC X PU Rain Jacket**  
**AJPU10LY - Hi-Vis Yellow**  
**AJPU100R - Orange**

- Oversized hood
- D-ring pass through
- Vented back
- Hand warmer pockets

**Sizes:** Small- 6X

**Tall Sizing Available**

**Arc Rating:** 16.3 cal/cm<sup>2</sup>

**Ebtas:** 21.9 cal/cm<sup>2</sup>

**HAF:** 84%

**MVTR:** 546 G/M<sup>2</sup>/24H

**Total % body burn:** 19.67%

**3rd Degree Burn:** 6.55%

ANSI 107-2015, Type R, Class 3

ASTM F1891 Arc Flash

ASTM F2733 Flash Fire

ASTM F903 Chemical Resistance





**ARC X PU 48" Rain Coat  
ALCPU10LY**

- 48 inch long coat
- Oversized hood
- Anti-wicking dam
- Vented back

**Arc Rating:** 16.3 cal/cm<sup>2</sup>

**Ebtas:** 21.9 cal/cm<sup>2</sup>

**HAF:** 84%

**MVTR:** 546 G/M<sup>2</sup>/24H

**Total % body burn:** 19.67%

**3rd Degree Burn:** 6.55%

ANSI 107-2015, Type R, Class 3

ASTM F1891 Arc Flash

ASTM F2733 Flash Fire

ASTM F903 Chemical Resistance

**Sizes:** Small- 6X



**16.3**  
cal

**ALCPU10LY**



16.3  
cal

ABPU10LYZ

### Rainwear Features

- Non-metallic quick release bib pant strap clips
- One reinforced oversize 9" x 9.5" pant pocket with hook and loop closure and pull tabs
- Leg zipper for easy donning and doffing over boots and work shoes.

**ARC X PU Bib Style Rain Pant**  
**ABPU10LYZ - Hi-Vis Yellow**  
**ABPU100RZ - Orange**

- Cargo Pocket
- Non-metallic, quick release clips
- 16 inch zippered boot openings
- 2 snap fly
- Anti-wicking dam

**Arc Rating:** 16.3 cal/cm<sup>2</sup>  
**Ebtas:** 21.9 cal/cm<sup>2</sup>  
**HAF:** 84%  
**MVTR:** 546 G/M<sup>2</sup>/24H  
**Total % body burn:** 19.67%  
**3rd Degree Burn:** 6.55%  
ANSI 107-2015, Class E  
ASTM F1891 Arc Flash  
ASTM F2733 Flash Fire  
ASTM F903 Chemical Resistance  
**Sizes:** Small- 6X  
**Tall Sizing Available**





**ARC X PU Rain Pant**  
**APPU10LYZ**

- 16 inch zippered boot openings
- 2 snap fly
- Anti-wicking dam

**Arc Rating:** 16.3 cal/cm<sup>2</sup>

Ebtas: 21.9 cal/cm<sup>2</sup>

HAF: 84%

MVTR: 546 G/M<sup>2</sup>/24H

Total % body burn: 19.67%

3rd Degree Burn: 6.55%

ANSI 107-2015, Class E

ASTM F1891 Arc Flash

ASTM F2733 Flash Fire

ASTM F903 Chemical Resistance

**Sizes:** Small- 6X

Tall Sizing Available



**APPU10LYZ**



Lakeland FR/AR rain gear meets ANSI 107-2015, improving worker visibility during the day, in low-light conditions, and at night.

 **Lakeland**<sup>®</sup>  
Protect Your People<sup>™</sup>



8.6 cal

AJPVC10LY

ARC X PVC - Premium ARC X Features with the value of PVC protection



All seams are stitched and high-frequency sealed



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



Jacket collar with self stowing hood storage



Ventilated jacket back



Reinforced lanyard opening



3" internal anti-wicking dam on bottom of jacket



Two oversize lower jacket front pockets with hook and loop closure and pull-tab openings



Front storm flap with hook and loop closure



Hook and loop adjustable jacket and pant cuffs for optimal fit and comfort

ARC X PVC Rain Jacket  
AJPVC10LY

- Oversized hood
- D-ring pass through
- Vented back



**Sizes:** Small- 6X  
Tall Sizing Available  
**Arc Rating:** 8.6 cal/cm<sup>2</sup>  
**Ebtas:** 36 cal/cm<sup>2</sup>  
**HAF:** 80%  
**MVTR:** 471 G/M<sup>2</sup>/24H  
**Total % body burn:** 15.98%  
**3rd Degree Burn:** 6.15%  
ANSI 107-2015, Type R, Class 3  
ASTM F1891 Arc Flash  
ASTM F2733 Flash Fire  
ASTM F903 Chemical Resistance



**ARC X PVC Bib Style Rain Pant**

**ABPVC10LY**

- Cargo Pocket
- Non-metallic, quick release clips
- 2 snap fly
- Anti-wicking dam
- Sizes: Small- 6X
- Tall Sizing Available

**Arc Rating:** 8.6 cal/cm<sup>2</sup>

**Ebtas:** 36 cal/cm<sup>2</sup>

**HAF:** 80%

**MVTR:** 471 G/M<sup>2</sup>/24H

**Total % body burn:** 15.98%

**3rd Degree Burn:** 6.15%

ANSI 107-2015, Class E

ASTM F1891 Arc Flash

ASTM F2733 Flash Fire

ASTM F903 Chemical Resistance



**8.6 cal**



Non-metallic quick release bib pant strap clips



One reinforced oversize pant pocket with hook and loop closure and pull tabs



Hook and loop adjustment tab for easy donning and doffing over boots and work shoes

**PVC FR/ARC Rainwear Permeation Testing - ASTM F903-18, Procedure A**

Challenge Chemical	CAS Number	Replicate	Average Sample Thickness (mm)	Test Temperature (C°)	Results After 5 min @ 0 psig	Results After 10 min @ 2 psig	Final Results
Acetone 99%	67-64-1	1	26.0	27	Pass	Pass	Pass
		2	25.5		Pass	Pass	
		3	25.0		Pass	Pass	
Sodium Hydroxide 50%	1310-73-2	1	25.5	27	Pass	Pass	Pass
		2	24.5		Pass	Pass	
		3	30.0		Pass	Pass	
Toluene 99%	108-88-3	1	27.0	27	Pass	Pass	Pass
		2	25.0		Pass	Pass	
		3	24.5		Pass	Pass	
Hydrofluoric Acid 48%	7664-39-3	1	26.0	27	Pass	Pass	Pass
		2	23.5		Pass	Pass	
		3	23.0		Pass	Pass	
Sulfuric Acid 93%	7664-93-9	1	24.0	27	Pass	Pass	Pass
		2	25.5		Pass	Pass	
		3	25.5		Pass	Pass	

# FR MODACRYLIC HI-VIS

## WHAT IS STATIC DISSIPATIVE FABRIC?

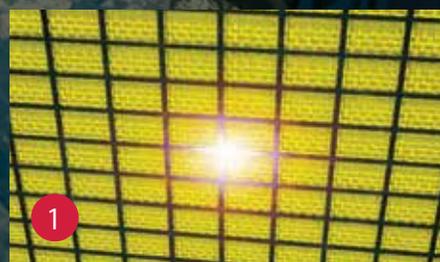
Lakeland's vests are made from patented GlenGuard™ Hi-Vis/FR protective fabrics. These patented static dissipative fabrics, 10A (solid) and 10AM (mesh), are each designed with a carbon core fiber. The carbon core fiber works to dissipate a potentially harmful static charge allowing safe work in potentially combustible environments. Industries where there is always notable concern for static build-up include the natural gas transmission, exploration, drilling and transportation industries, gas utility, industrial confined spaces, petrochemical plants and many others. These types of hazardous environments are where a carbon fiber blended fabric is essential for worker safety.

## DOCUMENTATION OF STATIC DISSIPATIVE CLAIMS

Documentation and proof of static dissipative claims in these environments are achieved using the Gas Probe Test, Shirley Method 138-2000 and the Static Decay Test, Method 191A and 5931. Both tests are similar using "worst case conditions" scenarios, and require a 50 specimen sample size. In the tests, fabric is charged to 4,000 volts during a 20 second period, and conclusive results specify a decay time to 10% maximum voltage at 0.5 seconds. All 50 specimens must pass the test before the fabric can cite these static dissipating claims. Both the 10A (Solid) and 10AM (Mesh) fabrics have passed this rigorous panel of testing.

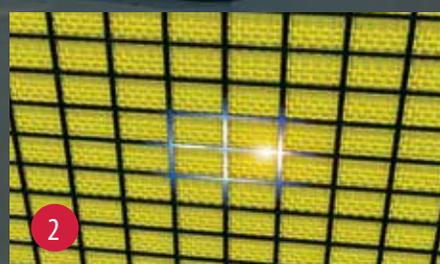


## HOW DISSIPATION WORKS



1

A charged surface comes near or touches the neutral dissipative surface of the fabric.



2

Charged ions flow to the fabric and begin to dissipate.



3

The charge dissipates evenly over the full surface via the carbon grid, leaving a safe low-density charge.

**LEARN MORE HERE...**  
Understand The Science of  
Static Dissipation



### V-10A0112ZL

#### Static Dissipative Solid Fabric Vest

- Non-conductive zipper closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

**Fabric:** Modacrylic solid fabric

**ATPV:** 6.3 cal/cm<sup>2</sup>

Meets ANSI 107 - 2015 Class 2

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow



6.3  
cal

V-10A0112ZL

**3M**  
Scotchlite™  
Reflective Material

### V10AM2023ZL

#### Static Dissipative Mesh Vest

- Reinforced lanyard port
- Non-conductive zipper front closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 5.2 cal/cm<sup>2</sup>

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow with orange contrast binding



5.2  
cal

V10AM2023ZL

**3M**  
Scotchlite™  
Reflective Material

**CLASS 2 VESTS**



**V8A0112V-L**



**V8AM0322VL**



**V8A0112VL**



**V8AM0312ZL**

**V8A0112VL**

**Class 2**  
**FR Modacrylic Solid Vest**

- Hook and loop closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

**Fabric:** Modacrylic woven fabric

**ATPV:** 5.5 cal/cm<sup>2</sup>

**CAT Level:** 1

Hi-Vis Yellow meets ANSI 107 -2015 Class 2

Hi-Vis Orange meets ANSI 107 -2010 Class 2

Both meet ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow

**V8AM0112VL**

**Class 2**  
**FR Modacrylic Mesh Vest**

- Hook and loop closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 4.6 cal/cm<sup>2</sup>

**CAT Level:** 1

Meets ANSI 107 -2015 Class 2

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow

**V8AM0322VL**

**Class 2**  
**FR Modacrylic Mesh Vest**

- Hook and loop closure
- 2" - 3M™ Scotchlite™ Reflective Material
- Adjustable snap sides
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 4.6 cal/cm<sup>2</sup>

**CAT Level:** 1

Meets ANSI 107 -2015 Class 2

Meets ASTM F1506

**Sizes:** S/M, L/XL

**Color:** Hi-Vis Yellow with orange contrast binding

**V8AM0312ZL**

**Class 2**  
**FR Modacrylic Mesh Vest**

- Non-conductive zipper closure
- 2" - 3M™ Scotchlite™ Reflective Material
- Adjustable snap sides
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 4.6 cal/cm<sup>2</sup>

**CAT Level:** 1

Meets ANSI 107 -2015 Class 2

Meets ASTM F1506

**Sizes:** S/M, L/XL

**Color:** Hi-Vis Yellow





# CLASS 3 FR MODACRYLIC PROTECTION

ANSI-107-2015 Class 3



4.6  
cal

**3M**  
Scotchlite™  
Reflective Material

V8AM0123ZL

**V8AM0123ZL**

**Class 3**

**FR Modacrylic Mesh Vest**

- Non-conductive zipper closure
- 2" - 3M™ Scotchlite™ Reflective Material
- 2 slant pockets
- Adjustable snap sleeves
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 4.6 cal/cm<sup>2</sup>

**CAT Level:** 1

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow with orange contrast binding



5.2  
cal

**3M**  
Scotchlite™  
Reflective Material

V10AM0123ZL

**V10AM0123ZL**

**Class 3**

**Static Dissipative Mesh Vest**

- Non-conductive zipper closure
- 2" - 3M™ Scotchlite™ Reflective Material
- Adjustable snap sleeves
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 5.2 cal/cm<sup>2</sup>

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-Vis Yellow with orange contrast binding

# FR DISPOSABLE



Pyrolon® Plus 2 FR Disposable

FR Woven Coverall

## WHY WEAR AN FR DISPOSABLE OVER YOUR PRIMARY FR CLOTHING?

Flame resistant disposables are intended to provide liquid and dust protection when worn over a primary thermal protective garment. To keep your new, primary FR clothing clean and free of contaminants, make sure that you are selecting the correct disposable garment for your application.

Standard disposables are made from polypropylene or polyethylene (or both). These are thermoplastic derivatives of oil, both of which are flammable materials that will ignite, melt and burn. Any fabric that melts and drips in the event of an electric arc or flash fire should not be worn over primary FR garments.

Repellency is also a critical attribute to consider when selecting an FR disposable garment. Understand the repellency performance of your disposable garment to ensure that possible flammable contaminants are not soaking through to your primary FR clothing. Make sure that your FR disposable has the repellency to keep grease, hydraulic fluid and other harmful contaminants from compromising your primary protective clothing.

Don't be misled by others citing the NFPA 701 curtain and drapery standard for their flammability performance. All Pyrolon® products are designed to be worn over primary protective Flame Resistant Clothing, are tested to ASTM F1930 and meet the NFPA 2113 requirements for section 5.1.9.

## SEE THE COMPARISON

Get the FR protection you demand. Lakeland has produced a video which demonstrates the superiority of Pyrolon® Plus 2 vs. competing fabrics. Don't settle for substandard FR PPE that can be downright dangerous to wear. Visit the Lakeland website at [www.lakeland.com](http://www.lakeland.com), or scan the QR code on this page.



# PYROLON® PRODUCTS CERTIFIED TO TWO NEWLY RELEASED ANSI/ISEA STANDARDS



## **ANSI/ISEA 203-2018 Standard for Secondary Single-Use FR Protective Clothing for Use Over Primary FR Protective Clothing**

Workers who rely on primary FR apparel for flash fire protection have the NFPA 2112 standard on flame-resistant clothing as a guide to ensure the workwear they are selecting meets a minimum standard of protection and that testing has been certified by an independent source.

What about the secondary FR apparel that is routinely used in hazmat remediation, pharmaceutical and laboratory operations, and petrochemical processing facilities? These applications also require additional protection from chemicals or other harmful contaminants.

ANSI/ISEA 203 will now help to assure workers that the secondary FR garment does not impact the thermal performance of the primary clothing being worn to protect against possible flame hazards. Apparel covered by this standard is intended for single-use wear in environments where flame hazards exist and where the worker may also be exposed to contaminants, such as grease, oil, or welding splatter, that can become attached to primary flame-resistant apparel worn underneath - potentially affecting the performance of those critically-important items.

The ANSI-ISEA 203-2018 standard will help to fill a gap in the industry and provide manufacturers with a straightforward means to call a product with a wide range of uses "FR" after testing it to a specified set of requirements. For compliance, vertical flame testing on a large-scale manikin of the secondary apparel over primary apparel is performed.

This new standard gives FR wearers guidance for selection of both primary FR and secondary FR garments by looking for products complying with NFPA 2112 or ANSI/ISEA 203. While Lakeland chooses to have our garments certified to these respective standards by Underwriters Laboratory (UL), not all manufacturers will submit to, or have products that can pass, this third-party testing.

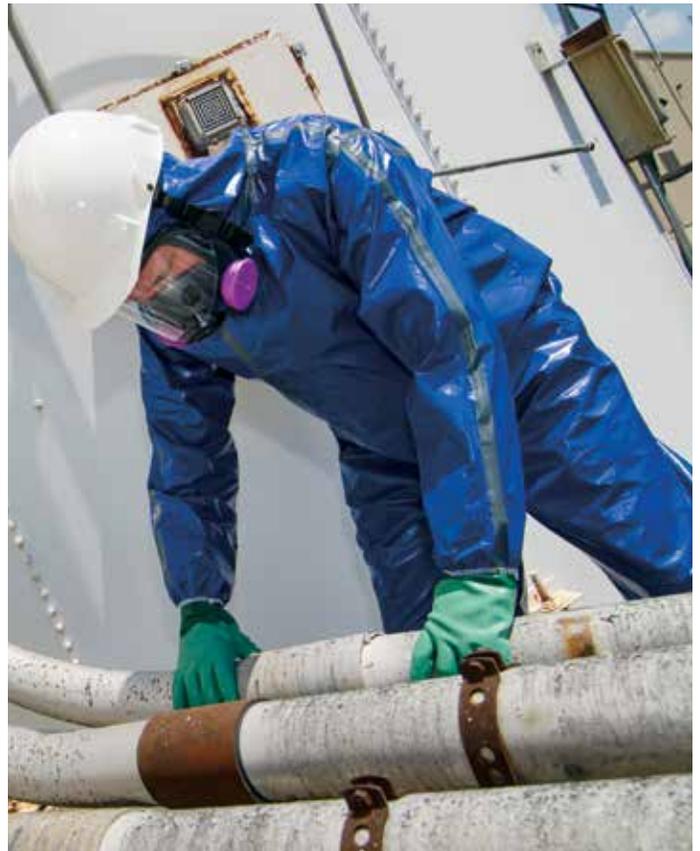
Wearers of secondary FR apparel should now begin to select and utilize those products meeting ANSI/ISEA 203 for confidence that the addition of these garments is not compromising the effectiveness of their primary FR workwear and the safety of its user.



## **ANSI/ISEA 125-2014 National Consensus Standard for Conformity Assessment of Safety and Personal Protective Equipment.**

Along with ANSI 203, Lakeland's CBFR, Pyrolon®, and Pyrolon® Plus 2 are certified to ANSI 125 Level 3 Standard for Conformity Assessment of Safety and Personal Protective Equipment.

Currently both Pyrolon Plus 2 and Pyrolon CBFR have been certified as Level 3 PPE.



## FR DISPOSABLE



Meets ANSI/ISEA 125-2014  
Level 3 Certification!

Use an outer layer of Pyrolon® Plus 2 disposable FR coveralls to protect from greasy-grimy dirt and prolong the life of expensive FR coveralls!



### Pyrolon® Plus 2

**Disposable Coveralls perfect for use over thermally protective and arc protective clothing!**

- Second generation Pyrolon® Plus 2 offers wet or dry strength superior to that provided by other traditional Flame Resistant disposables
- Meets the NFPA 2113 requirements for section 5.1.9.
- Pyrolon® Plus 2 is breathable, making this a cool and comfortable garment to wear.
- Pyrolon® Plus 2 can be used in work environments where hazardous or non-hazardous contaminants may be present.
- Pyrolon® Plus 2 meets ANSI/ISEA 203
- ANSI/ISEA 125-2014 Level 3 Certification

**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.**



**Lab Coat  
7101**

Snap closure, 2 pockets,  
long sleeve.

**Sizes:** S – 5X

**Case Pack:** 30



**Coverall  
7412**

Zipper closure.

**Sizes:** S – 5X

**Case Pack:** 25



**Coverall  
7414**

Zipper closure, attached  
hood, boots, elastic  
wrists.

**Sizes:** S – 5X

**Case Pack:** 25



**Coverall  
7417**

Zipper closure, elastic  
wrists and ankles.

**Sizes:** S – 5X

**Case Pack:** 25

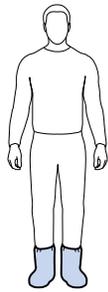


**Coverall  
7428**

Zipper closure, attached  
hood, elastic wrists and  
ankles.

**Sizes:** S – 5X

**Case Pack:** 25

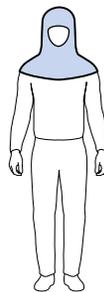


**Blue Boot Cover  
7903BP**

Elastic top,  
17" high.

**Sizes:** S/M, L/XL, 2X

**Case Pack:** 200/pr



**Blue Bell Shape  
Hood  
7713B**

**Sizes:** One Size

**Case Pack:** 250



**All Pyrolon® Plus  
2 garments are  
available in white or  
Blue. For Blue, add a  
“B” at the end of the  
style number.**



# Pyrolon® CRFR

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

### Pyrolon® CRFR

Disposable, chemical resistant, and flame resistant, Pyrolon CRFR is exclusively from Lakeland. These products meet NFPA 2114 requirements and bar contaminating flammables like paint, oil, grease, hazardous liquids, and dry particulates from penetrating to inner clothing.



### Pyrolon® CRFR features:

- Light chemical splash protection
- Self-extinguishing
- Won't melt or drip
- Meets the NFPA 2113 requirements for section 5.1.9.
- Designed to be worn over woven thermally protective coveralls, such as woven DuPont™ Nomex®, for environments where flash fire is a concern

### ASTM F1930 Burn Data:

Nomex IIIA 4.5 oz - 43.7% Body burn

### ASTM F1930 Burn Data:

Nomex IIIA 4.5 oz with Pyrolon CRFR over Nomex coverall - 34.16% Body burn



**51100**  
Coverall, collar, storm flap over zipper, open wrists and ankles hemmed cuff.  
**Sizes:** S - 5XL  
**Case Pack:** 6



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



**51250**  
Jacket, collar, elastic wrists, double storm flap with hook and loop closure.  
**Sizes:** S - 5XL  
**Case Pack:** 6



**51300**  
Pant, elastic waist and ankles.  
**Sizes:** M-4X  
**Case Pack:** 6



**51130**  
Coverall, hood, elastic face, storm flap over zipper, wrists, and ankles.  
**Sizes:** S - 5XL  
**Case Pack:** 6



**51150**  
Coverall, hood, elastic face and wrists, storm flap over zipper, attached boots.  
**Sizes:** S - 5XL  
**Case Pack:** 6



**51166**  
Coverall, respirator-fit hood, elastic face, wrists & ankles. Hook & Loop Closure.  
**Sizes:** S - 5XL  
**Case Pack:** 6



**51730**  
Apron, long sleeve, elastic wrists, 32" length.  
**Sizes:** S-4X  
**Case Pack:** 12



**51740**  
Boot cover, elastic top, 17" high.  
**Sizes:** S/M, L/XL, 2X  
**Case Pack:** 200/pr.

FR DISPOSABLE

# Pyrolon CBF

Advanced Chemical Barrier and Flame Resistance



Meets ANSI/ISEA 125-2014 Level 3 Certification

- Advanced chemical barrier
- Self extinguishing
- Won't melt or drip
- Meets the NFPA 2113 requirements for section 5.1.9
- Meets ANSI/ISEA 203
- ANSI/ISEA 125-2014 Level 3 Certification
- Designed to be worn over primary FR protective clothing, for environments where both chemical exposures and flash fire are a concern

**Fabric:** Pyrolon® CBF

**Standard:** NFPA 2113, section 5.1.9, ANSI/ISEA 203

**ASTM F1930 Burn Data:**

Westex® DH Coverall – 16.4% body burn

**ASTM F1930 Burn Data:**

Westex® DH with Pyrolon® CB-FR over DH coverall – 7.65% body burn

Respirator-fit hood

Protective storm flap over zipper

Tape sealed seams

Styles with and without attached boots

**Coverall**  
**52151**

Respirator-fit hood, storm flap over zipper, elastic face and wrists, attached boots

**Sizes:** S - 5XL  
**Case Pack:** 6

**Coverall**  
**52132**

Respirator-fit hood, storm flap over zipper, elastic face, wrists and ankles

**Sizes:** S - 5XL  
**Case Pack:** 6



# FR GARMENT SIZING

## HIGH PERFORMANCE SERIES GARMENTS

High Performance FR Series Knits and Shirts									
	S	M	L	XL	2X	3X	4X	5X	6X
<b>Chest</b>	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
<b>Sleeve</b>	35	36	36.5	37	38	39	40	41	42

Tall sizes MT-4XT add 2" to the standard sleeve length, 2" to the body.

High Performance FR Series Hoodies and Jackets									
	XS	S	M	L	XL	2XL	3XL	4XL	5XL
<b>Chest</b>	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66
<b>Sleeve</b>	33	34	35	36.5	38	39	40	41.5	43

## STANDARD SERIES FR GARMENTS

FR Shirts									
	S	M	L	XL	2X	3X	4X	5X	6X
<b>Chest</b>	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
<b>Sleeve</b>	34	34	35	36	37	38	39	40	41
<b>Collar/Neck</b>	17	18	19	21	22	23	25	26	27

FR Coveralls									
	S	M	L	XL	2X	3X	4X	5X	6X
<b>Chest</b>	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
<b>Inseam</b>	30	30	30	30	30	30	30	30	30
<b>Sleeve</b>	33	34	35	36	37	38	39	40	41

Tall coveralls add 2" to the standard sleeve length, 2" to the inseam & 1" in the torso.

Short coveralls subtract 2" to the standard sleeve length, 2" in inseam & 1" in the torso.

If chest measurement falls between sizes, go up to next largest size.

FR Pants												
<b>Waist</b>	28	30	32	34	36	38	40	42	44	46	48	50
<b>Inseam (Un-hemmed)</b>	37	37	37	37	37	37	37	37	37	37	37	37

FR Hoodie										
	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
<b>Chest</b>	28-30	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66

## WOMEN'S FR GARMENT SIZING

High Performance FR Series Knits and DH Shirts									
	X/S	S	M	L	XL	2X	3X	4X	
Fits	1/2	4/6	8/10	12/14	16/18	20/22	24/26	28/30	

Tall sizes M-3X

Women's FR Pants													
Even Sizes	0	2	4	6	8	10	12	14	16	18	20	22	24

Inseams available in even sizes from 28-34

No Need to Size Up to Layer Up!  
 If you buy a base/mid/outer  
 combo and need a Size Large  
 base, you order **Large**  
 for all layers.

No need to guess and get an  
 up-sized outer garment fit over  
 your layered system!



# SIZING

## STANDARD SERIES FR GARMENTS

Brown Duck Jacket							
	S	M	L	XL	2X	3X	4X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve	33	34	35	37	38	39	40

Brown Duck Bib Overall							
	S	M	L	XL	2X	3X	4X
Waist	30	32	34	36	38	40	42
Inseam	30	30	30	30	30	30	30

Insulated Parka						
	S	M	L	XL	2XL	3XL
Chest	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve	33	34	35	35	36	37
Collar	24	24	25	25	26	26
Back Length	33	33	33	33	33	33

Insulated Bib Overalls							
	S	M	L	XL	2X	3X	4X
Waist	30	32	34	36	38	40	42
Inseam	30	30	30	30	30	30	30

Insulated Coveralls									
	S	M	L	XL	2XL	3XL	4XL	5XL	6X
Chest	36-38	40-42	44-46	48-50	52-54	56-58	60-62	64-66	68-70
Sleeve	33	34	34	35	35	36	37	38	39
Inseam	30	30	30	30	30	30	30	30	30

### FR GARMENT WASHING INSTRUCTIONS

- Wash all garments before first use.
- Wash FR garments separate from everyday clothing
- Hand or machine wash using mild detergents in warm water.  
Flat dry or tumble dry on low.
- DO NOT use soap, bleach, fabric softener/sheets, starch.
- Do not iron

For more information please contact Lakeland Industries at **800-645-9291**

## FR/ARC RATED RAINWEAR

Arc Rainwear Jacket								
	S	M	L	XL	2X	3X	4X	5X
Chest	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve Length	33	33	34	34	35	35	36	36
Center Length Back	32	32	32	32	32	32	32	32

If chest measurement falls between sizes, go up to the next largest size. Tall coat add 3" to sleeve length and 3" to center back.

Arc Rainwear Long Coat								
	S	M	L	XL	2X	3X	4X	5X
Chest	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
Sleeve Length	33	33	34	34	35	35	36	36
Center Length Back	48	48	48	48	48	48	48	48

If chest measurement falls between sizes, go up to the next largest size.

Arc Rainwear Pant								
	S	M	L	XL	2X	3X	4X	5X
Waist	28-30	32-34	36-38	40-42	44-46	48-50	52-54	56-58
Inseam - Regular	29	29	29	29	30	31	31	31
Inseam - Tall	32	32	32	32	33	35	35	35

Arc Rainwear Bib Overalls								
	S	M	L	XL	2X	3X	4X	5X
Waist	24-26	28-30	32-34	36-38	40-42	44-46	48-50	52-54
Inseam - Regular	29	29	29	29	29	30	31	31
Inseam - Tall	32	32	32	32	32	33	35	35

## FR HI-VIS APPAREL

FR Reflective Vest								
	S	M	L	XL	2X	3X	4X	5X
Chest	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62

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**In the USA**  
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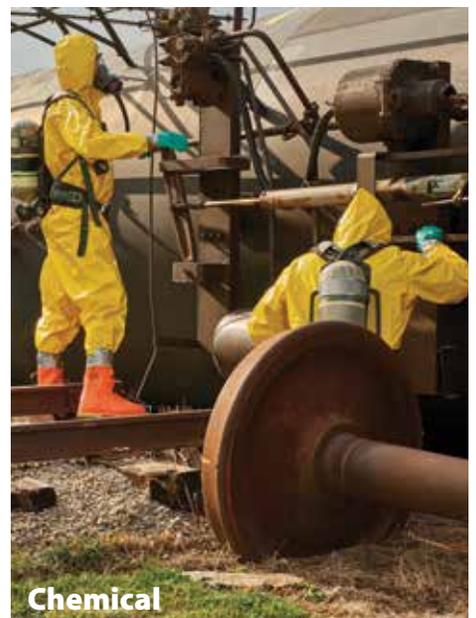
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