



# FR PROTECTIVE APPAREL

**NEW**

## High Performance FR

### Knit Button-Up Shirts

The Only 16 Cal Button-Up!  
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### Waffle Cut FR

Pull Over and a Hoodie Featuring  
a Built-in Balaclava  
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# PROTECTING WORKING PROFESSIONALS SINCE 1982



Lakeland Industries is a global manufacturer of personal protective equipment, specializing in FR/AR Clothing, Disposable - Chemical Protection and Fire Protective apparel. For over 35 years Lakeland has provided products to the working professionals in Electric and Gas Utilities, the Oil and Gas Industry, General Manufacturing and the Petrochemical sectors, keeping workers both safe and comfortable on the job.

# HIGH PERFORMANCE GARMENTS



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

Whatever the weather...sizzling 90 degree summer days, or -10 degrees with wind chill and blowing snow, 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 foundational key to the Lakeland FR/AR Layering System. For you to be cool during those hot summer days, and warm when its frigid cold outside, 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 the garment, and allow it to dry. Staying dry is 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 complete the Layering System, giving you the comfort and protection, you demand. Moisture wicking fabrics continue the process of pulling moisture away from your body to the outermost layer so that it can dry, while the wind resistant / water resistant fabrics help keep the elements at bay so you can focus on the task at hand.

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

## Why Moisture Wicking Matters

Choosing an FR garment is important to protect you from the dangers on the job. Choosing FR garments with superior moisture wicking technology will protect you in other important ways, all year long.

- *Help Prevent Heat Stress*  
Staying cool in hot temperatures will help keep you safe from overheating and heat stroke.
- *Provide an Effective Base Layer*  
Staying warm during the winter months starts with fabrics that can quickly pull sweat away from your skin to keep you warm and dry, not cold and clammy.

## 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.

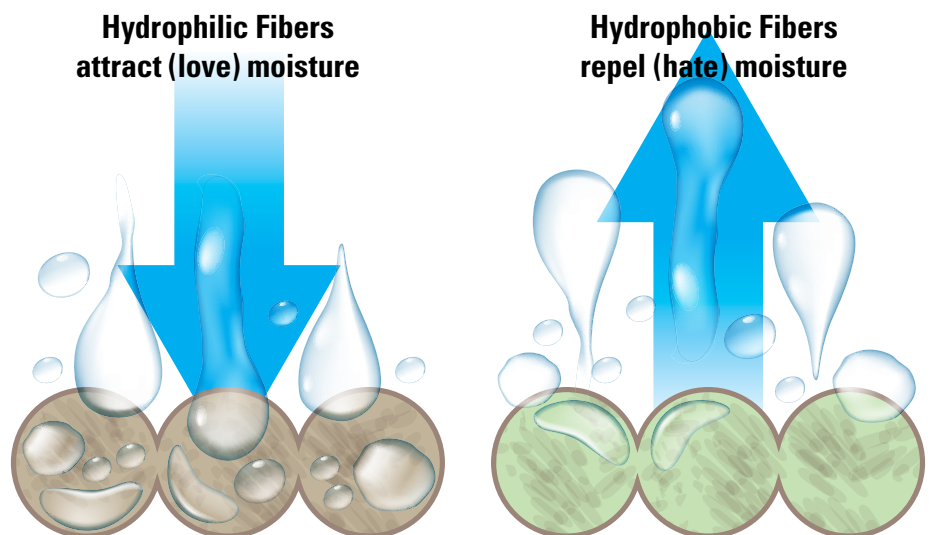


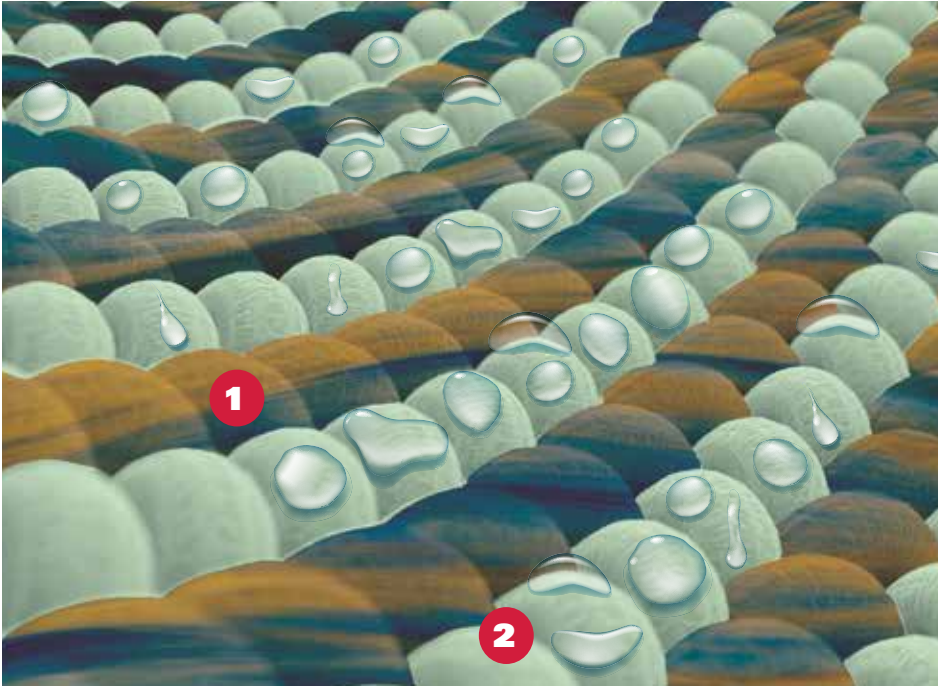
## What are Moisture Wicking Fibers?

Superior moisture wicking fabrics combine two types of fibers together: **hydrophobic** (water hating) fibers and **hydrophilic** (water loving) fibers. Hydrophobic fibers are synthetic, and include nylon, aramids and modacrylics. Hydrophilic fibers feel natural against the skin, and include cotton, wool and lyocell, to name a few.

The combination of fibers, spun together with precision, result in a garment with permanent moisture wicking technology.

Checking the tag on a garment will reveal its blend of fibers. A garment with 100% of any fiber, along with claims of moisture-wicking, identifies the presence of a fabric with a chemical finish.





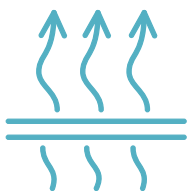
### How Does Moisture Wicking Work?

The act of wicking moisture away from the body is rooted in science. A superior moisture wicking garment 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, because how quickly you feel dry and comfortable matters all year long. All High Performance FR Fabrics from Lakeland incorporate these key features to pull moisture from your body and help it dry quickly so you can stay 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



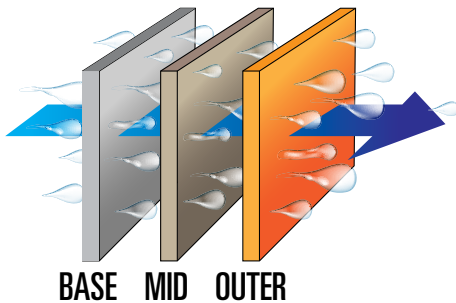
Water vapor transmission rate measures how quickly moisture dissipates through a garment.

# 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.

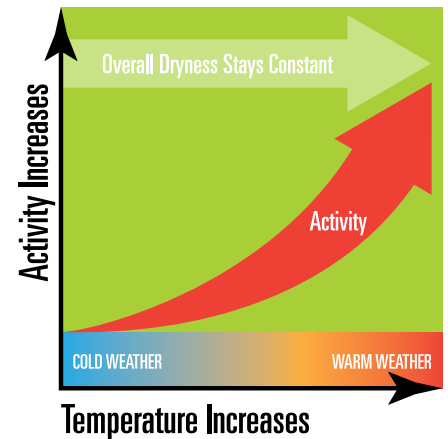
Understanding the correct way to layer apparel to maintain body temperature, dryness and protection from the elements takes more than just a system, it takes a system with the right fabrics and technology.

## Moisture-wicking Matters for Warmth

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

Lakeland FR garments feature a 60/40 hydrophobic/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. Your mobility level should not be compromised by your FR clothing. 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 is most important for cooling and dryness but each layer must move moisture away from the body.**

Working in the cold is no easy task. As you work in freezing, unforgiving winter weather, the ability to effectively layer protective apparel is essential, not only for safety, but also for flexibility and optimal performance as temperatures and the elements outside fluctuate.

Lakeland's hoodie and jacket are wind proof and water-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 wearing multiple garments, that 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. Add the benefits of inherent FR properties, lightweight fabrics and permanent moisture wicking technology and you have superior performance, protection and comfort.

**BASE** + **MID** + **OUTER** = **57 cal/cm<sup>2</sup> CAT 4**

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

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

High Performance FR Zip Jacket  
ATPV: 28 cal/cm<sup>2</sup>

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

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

High Performance FR  
Zip or Pullover Hoodie  
ATPV: 28 cal/cm<sup>2</sup>

**58 cal/cm<sup>2</sup> CAT 4**

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

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

High Performance FR  
Zip Jacket  
ATPV: 28 cal/cm<sup>2</sup>

**60 cal/cm<sup>2</sup> CAT 4**

# 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 3M Scotchlite® Segmented Reflective trim, meeting ANSI 107 Class 3 for visibility
- NEW! 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 3M™ Scotchlite™ Reflective Material for enhanced visibility



## High Performance Knit Features

- Drop shoulder design
- No seam on top of shoulder or under arm
- Left chest pocket
- Flat Seam Construction for greater comfort and no 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 Hi-vis Reflective Trim



16.4 cal

**LSCAT29RT**

Men's Hi-vis Long Sleeve Crew with Pocket and Hi-vis Reflective Trim



16.4 cal

**HSAT29RT**

Men's Hi-vis 3-Button, Long Sleeve Henley with Pocket and Hi-vis Reflective Trim

# WOMEN'S HIGH PERFORMANCE FR KNITS

Lightweight | Inherently FR | Permanent Moisture Wicking



LSCWAT06



LSCWAT20

## FR/AR Protection Tailored for Women!

At last! High Performance protection for Women! These High Performance FR knit shirts have the same FR/AR Protection as the men's styles yet are constructed with classically tailored details for a more accurate women's 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

NEW

The ONLY 16 cal button up shirt in the Industry. You will love the look and feel. Featuring Lakeland's lightweight knit fabric offering permanent moisture wicking technology. The optimal fabric blend for superior performance, protection and comfort.

- 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 meets ANSI 107 Class 3

#### 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



The ONLY

16  
cal

Button-up shirt in the industry!



16.4  
cal

ISHAT06



16.4  
cal

ISHAT20

16.4  
cal

ISHAT29RT

**3M**  
Scotchlite™  
Reflective Material



# 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



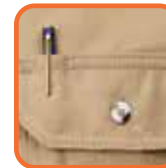
Tag free collar for greater comfort



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 meets ANSI 107 Class 3

### Style Numbers:

ISH65DH

### Specifications:

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

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

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

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

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





**3M**  
Scotchlite™  
Reflective Material

**Westex**  
DH

8.9  
cal

ISHW65DH

8.9  
cal

ISHW65DH29RT

# WOMEN'S 6.5 OZ. WESTEX® DH BUTTON-UP SHIRTS

Lightweight | Inherently FR |  
Permanent Moisture Wicking

Designed with a classically tailored women's cut, combined with built-in FR protection. Comfortable function all day, in all types of working conditions.

- 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 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/cm² **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

NEW



LSCMWZ

NEW



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 - 5X

**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

### 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 - 5X

**Colors:** Black



# HIGH PERFORMANCE FR SWEATER-KNIT

Lightweight | Inherently FR | Permanent Moisture Wicking

NEW



LSCSK06

## Sweater-Knit FR Quarter Zip... Outside Tough, Inside Soft, Warm All Around!

It's hard to believe this is FR. Lakeland's new High Performance FR Sweater-Knit is the soft and comfortable FR pullover you need when the weather turns cold. Flat seam construction with contrasting black threads will have you looking good, while permanent moisture-wicking technology and incredible horizontal stretch will keep you comfortable. The Sweater-Knit's unique design makes for an extremely comfortable and mobile fit. Wear it as a single layer or utilize as a MID layer in Lakeland's FR 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

NEW



IJKTPF01

## High Performance FR Polar Fleece Pullover... Sporty, Yet Made to Perform!

Lakeland's new High Performance FR Polar Fleece combines two different fleece fabrics for comfort and durability, with a sporty black and gray color-block design. At 12 oz, this jacket is your go-to jacket for all season. To add warmth and strength, we constructed the sleeve tops and yoke of the garment with the same Gray Fabric utilized in the High Performance FR Jacket, coupled with a fuzzier, cozier fleece that surrounds the torso. Featuring inherent, permanent moisture-wicking technology so you stay cool and dry all year long. Wear as a single layer or as a MID layer in Lakeland's FR Layering System.

### 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:

IJKTPF01

### 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 | Wind and Water Resistant



28 cal



**NEW**

Hi-Vis!

**3M**  
Scotchlite™  
Reflective Material

28 cal



28 cal

Choose Zip Front or Pullover!

## Pull-Over or Zip Hoodies That Are 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
- Wind and Water Resistant

**Style Numbers:**

- IHDP12ANT – Pullover Hoodie
- IHDP12ANT29RT \_ Hi-Vis Pullover Hoodie with Reflective Trim
- IHD12ANT – Zipper Front Hoodie

**Specifications:**

**Fabric:** 12.3 oz, wind proof, water resistant  
**Fabric Content:** 48% modacrylic, 37% Tencel®, 10% Twaron®, 5% Spandex®  
**Standard:** NFPA 70E, NFPA 2112 - UL Certified  
**ATPV:** 28 cal/cm<sup>2</sup>      **CAT:** 3  
**Sizes:**  
**Pullover:** XS - 5XL, Talls Available MD - 4X  
**Zip Front:** SM - 5XL, Talls Available MD - 5X  
**Color:** Black or Hi-Vis Yellow



# HIGH PERFORMANCE FR JACKETS

Dual Hazard | Wind and Water Resistant



NEW

Hi-Vis!

28 cal

**3M**  
Scotchlite™  
Reflective Material

## Outer-layer Jacket That Offers Protection with Superior Comfort!

- 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
- Wind and Water Resistant

**Style Numbers:**

IJK12ANT – Jacket  
IJK12ANT29RT – Hi-Vis Jacket with Reflective Trim

**Specifications:**

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

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

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

**ATPV:** 28 cal/cm<sup>2</sup>      **CAT:** 3

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

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



# High Performance FR Camo Jacket



14.6 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:** 7.3 oz, Inherently FR, wind proof, water resistant

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

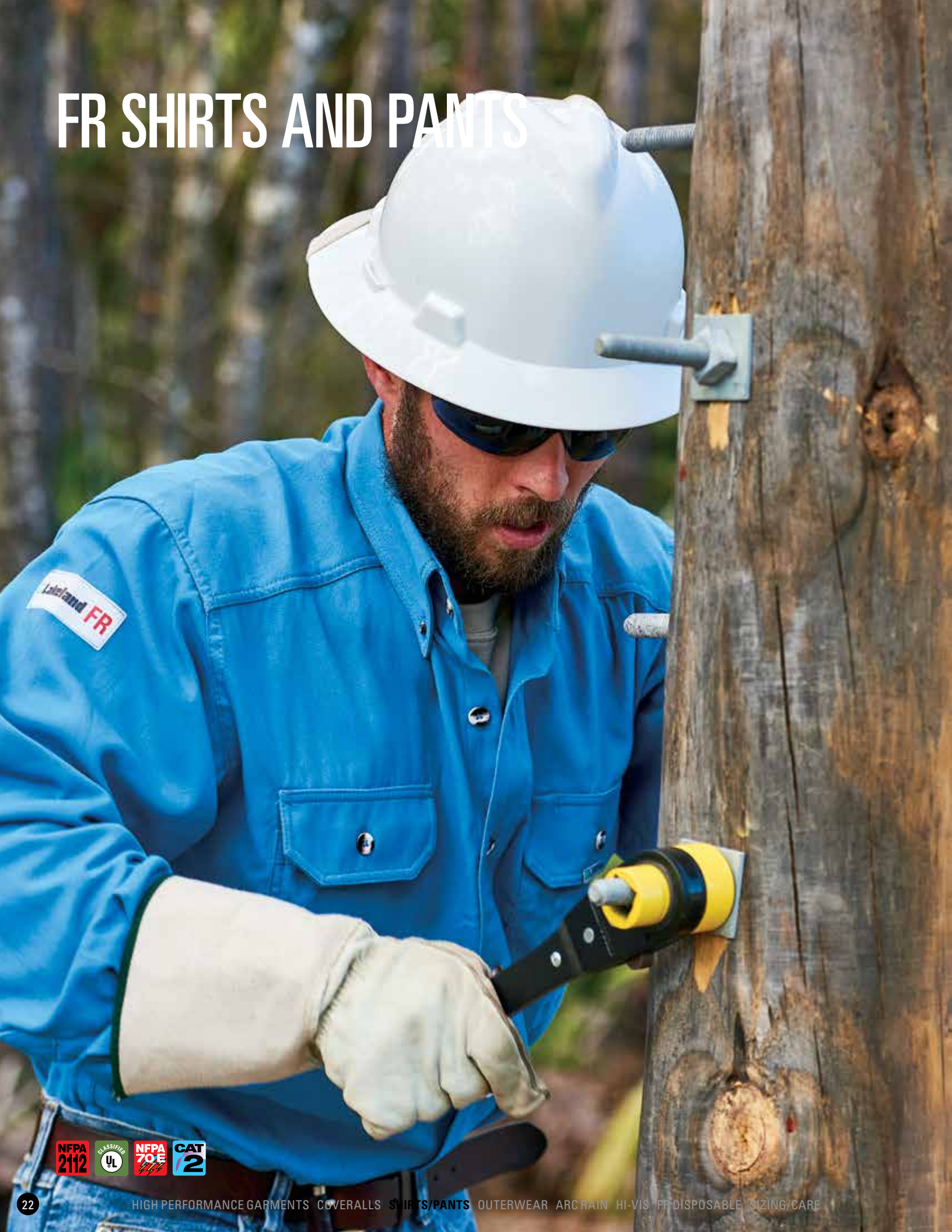
**ATPV:** 14.6 cal/cm<sup>2</sup>      **CAT:** 2

**Sizes:** Sizes: SM - 4XL  
Talls Available LG - 4X

**Color:** Camo



# FR SHIRTS AND PANTS



Labeland **FR**







Pocket labeling helps you quickly identify garment standards!



Long rounded tail keeps shirt tucked in for neater appearance

**NISH720**

**Dual Certified Khaki Work Shirt**

- Button-down collar
- Button front closure with placket front
- Two ply yoke
- Two chest pockets with button flap closure, left pocket with pen slot,
- Long rounded tail, long sleeve with button cuffs
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2

**Fabric:** 7 oz. 88/12 FR Cotton

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

**Sizes:** Small – 5XL

**Color:** Khaki



**Vented Back For Maximum Cooling!**



**NISH7VB**

**Dual Certified Vented Back Work Shirt**

- Aramid mesh vented back
- Button-down collar
- Long sleeve with button cuffs
- Two chest pockets
- Long rounded tail
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2

**Fabric:** 7 oz. 88/12 FR Cotton

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

**Sizes:** Small – 5XL

**Color:** Khaki and Gray



For air-cooling relief, we've added soft mesh underneath a vented cape!

# FR SHIRTS/PANTS



8.9 cal

**3M**  
Scotchlite™  
Reflective Material



Pocket labeling helps you quickly identify garment standards!



Long rounded tail keeps shirt tucked in for neater appearance

## NISH7RT Dual Certified Khaki Work Shirt with Reflective Trim

- Button-down collar
- Button front closure with placket front
- Two ply yoke
- Two chest pockets with button flap closure, left pocket with pen slot,
- Long rounded tail, long sleeve with button cuffs
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2
- 3M™ Scotchlite™ Reflective Material for enhanced visibility

**Fabric:** 7 oz. 88/12 FR Cotton

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

**Sizes:** Small – 5XL

**Color:** Khaki



## Beat the Heat With Our Vented Back Design!



8.9 cal

**3M**  
Scotchlite™  
Reflective Material

## NISH7VBRT Dual Certified Vented Back Work Shirt with Reflective Trim

- Aramid mesh vented back
- Button-down collar
- Long sleeve with button cuffs
- Two chest pockets
- Long rounded tail
- 3M™ Scotchlite™ Reflective Material for enhanced visibility
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2

**Fabric:** 7 oz. 88/12 FR Cotton

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

**Sizes:** Small – 5XL

**Color:** Khaki and Gray



For air-cooling relief, we've added soft mesh underneath a vented cape!

## HIGH PERFORMANCE FR LIGHTWEIGHT PANTS DUAL HAZARD | MENS/WOMENS



**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**  
3M™ Scotchlite™ Reflective  
Material for enhanced visibility



**Scotchlite™**  
Reflective Material



# 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



8.9 cal

Westex®  
DH



Covered snap closures



Pocket labeling helps you quickly identify garment standards!



Two hip pockets – snap closure on left pocket

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



**C010/C020**  
**DuPont™ Nomex® IIIA 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® IIIA**

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® IIIA**

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

Sizes: 36 to 66, Talls also available

Colors: Navy and Orange



C010

C020

DuPont™  
**Nomex®**  
 NEVER QUIT.™



Navy

Khaki

Orange

# 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

**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

**3M**  
Scotchlite™  
Reflective Material

**Westex**  
DH





**NC070FRC**



**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 3M™ Scotchlite™ Reflective Material for enhanced visibility

**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 3M™ Scotchlite™ Reflective Material for enhanced visibility
- 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





C081

C081RT

Orange

Navy

Khaki

12.4  
cal

**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 3M™ Scotchlite™ Reflective Material for enhanced visibility
- 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, Gray and Orange  
(Orange not available in C081RT style)



# FR OUTERWEAR





Storm flap keeps the weather away from zipper

Bi-swing back and elastic waist for comfort

40 cal

**NIP08RT13**



Non-metallic suspenders

40 cal

Leg zippers with full gussets

**NIB08RT13**

**NIP08RT13 Dual Certified Insulated Parka**

- NFPA 2112 reflective tape, thread and zipper, extra reflective tape for 360° visibility
- Reinforced stitching, storm flap and oversized pockets
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 4

**Parka Features**

- Bi-swing back and elastic waist for comfort and protection
- Heavy duty hook and loop closures

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

**Liner:** 11.8 oz Protect 400 liner

**ATPV:** 40 cal/cm<sup>2</sup>      **CAT 4**

**Sizes:** MD - 5XL

**Color:** Navy



**NIB08RT13 Dual Certified Bib Overalls**

- NFPA 2112 reflective tape, thread and zipper, extra reflective tape for 360° visibility
- Reinforced stitching, storm flap and oversized pockets
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 4

**Bibs Feature**

- Non-metallic suspenders
- Leg zippers with full gussets

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

**Liner:** 11.8 oz Protect 400 liner

**ATPV:** 40 cal/cm<sup>2</sup>      **CAT 4**

**Sizes:** MD - 5XL

**Color:** Navy



# FR OUTERWEAR



40  
cal

**NIC08RT13**

**NIC08RT13  
Dual Certified Insulated Coveralls**

- 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
- NFPA 2112 reflective tape, thread and zipper, extra reflective tape for 360° visibility
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 4

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

**Liner:** 11.8 oz Protect 400 liner

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

**CAT 4**

**Sizes:** MD - 5XL

**Color:** Navy





39 cal

NIJKBD10

### Pockets, Pockets and More Pockets!



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.



## Our Feature Packed Insulated Bibs Are A Cold Weather Favorite!



**NIBOBD10**



Non-metallic suspenders



Pocket with Velcro® overlap assures contents stay in place



Leg zippers with full gussets



Wind barrier keeps the cold out, the warmth in

### **NIBOBD10** **Dual Certified FR Insulated Bibs**

- 10 oz. brown duck outer shell
- 11.8 oz Protect 400 Liner
- Non-metallic suspenders on bibs
- Bibs have leg zippers with full gussets
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 3

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

**CAT:** 3

**Sizes:** Small-5XL

**Color:** Brown







NFRZJK13

**NFRZJK13****Dual Certified Zipper Front FR Hoodie**

- Attached hood with FR draw-cord closure
- Front hand warmer pocket
- Rib knit cuffs and waistband with FR front zipper
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2

**Fabric:** 11 oz. FR knit cotton**ATPV:** 15 cal/cm<sup>2</sup>**Sizes:** MD-5XL**Color:** Navy

NFRPLHD13

**NFRPLHD13****Dual Certified Pullover FR Hoodie**

- One-piece pullover
- Attached hood with FR draw-cord closure
- Rib knit cuffs and waistband
- Front hand warmer pocket
- NFPA 2112 - UL Certified
- NFPA 70E, CAT 2

**Fabric:** 11 oz. FR knit cotton**ATPV:** 15 cal/cm<sup>2</sup>**Sizes:** MD-5XL**Color:** Navy

# FR ARC RAINWEAR





# POLYURETHANE FR/ARC RATED RAINWEAR... PREMIUM FEATURES! UNBEATABLE VALUE!

Lakeland ARC X Polyurethane FR/Arc Rated Rainwear offers Superior Performance and features:

## More Comfortable

- Cooler: 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



16.3 cal

**AJPU10LY**

**AJPU100R**

**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 - Lime 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**

# ARC RAINWEAR POLYURETHANE



**ABPU10LYZ**

**16.3**  
cal



**ABPU100RZ**

**16.3**  
cal



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 - Lime 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>



8.3 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:** 8.3 cal/cm<sup>2</sup>  
**Ebtas:** 43 cal/cm<sup>2</sup>  
**HAF:** 82%  
**MVTR:** 471 G/M<sup>2</sup>/24H  
**Total % body burn:** 13.66%  
**3rd Degree Burn:** 6.28%  
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:** 8.3 cal/cm<sup>2</sup>

**Ebtas:** 43 cal/cm<sup>2</sup>

**HAF:** 82%

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

**Total % body burn:** 13.66%

**3rd Degree Burn:** 6.28%

ANSI 107-2015, Class E

ASTM F1891 Arc Flash

ASTM F2733 Flash Fire

ASTM F903 Chemical Resistance



8.3 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?

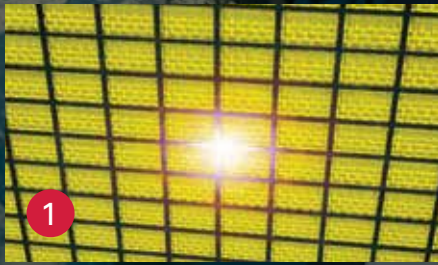
Lakeland's vests are made from patented GlenGuard™ Hi-Vis/FR protective fabrics. These patented static dissipative fabrics, 10A (solid) and 10AM (mesh), are each designed with a carbon core fiber. The carbon core fiber works to dissipate a potentially harmful static charge allowing safe work in potentially 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

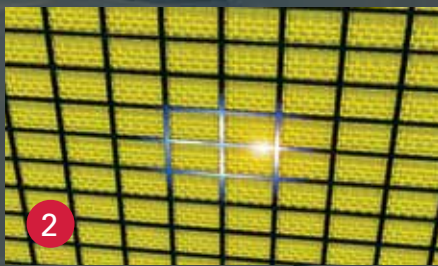
Documentation and proof of static dissipative claims in these environments are achieved using the Gas Probe Test, Shirley Method 138-2000 and the Static Decay Test, Method 191A and 5931. Both tests are similar using "worst case conditions" scenarios, and require a 50 specimen sample size. In the tests, 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



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



Charged ions flow to the fabric and begin to dissipate.



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" - heat transfer silver 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:** Lime/Yellow



V-10A0112ZL

#### V-10AM0322ZL

##### Static Dissipative Mesh Vest

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

**Fabric:** Modacrylic mesh fabric

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

Meets ANSI 107 -2015 Class 2

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Lime/Yellow with orange contrast binding



V-10AM0322ZL

#### V-10AM2023ZL

##### Static Dissipative Mesh Vest

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

**Fabric:** Modacrylic mesh fabric

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

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Lime/Yellow with orange contrast binding



V-10AM2023ZL

**CLASS 2 VESTS**



**V8A0112V-L/O**

**3M**  
Scotchlite™  
Reflective Material



**V8AM0322VL**

**3M**  
Scotchlite™  
Reflective Material



**V8AM0112VL**

**3M**  
Scotchlite™  
Reflective Material



**V8AM0312ZL**

**3M**  
Scotchlite™  
Reflective Material

**V8A0112V-L/O**  
**Class 2**  
**FR Modacrylic Solid Vest**

- Hook and loop closure
- 2" - heat transfer silver reflective material
- 27" length

**Fabric:** Modacrylic mesh fabric  
**ATPV:** 5.5 cal/cm<sup>2</sup>  
**CAT Level:** 1  
Meets ANSI 107 -2015 Class 2  
Meets ASTM F1506  
**Sizes:** M-6XL  
**Color:** Lime/Yellow or Hi-vis Orange

**V8AM0112VL**  
**Class 2**  
**FR Modacrylic Mesh Vest**

- Hook and loop closure
- 2" - heat transfer silver reflective material
- 27" length

**Fabric:** Modacrylic mesh fabric  
**ATPV:** 5.1 cal/cm<sup>2</sup>  
**CAT Level:** 1  
Meets ANSI 107 -2015 Class 2  
Meets ASTM F1506  
**Sizes:** M-6XL  
**Color:** Lime/Yellow

**V8AM0322VL**  
**Class 2**  
**FR Modacrylic Mesh Vest**

- Hook and loop closure
- 2" - heat transfer silver reflective material
- Adjustable snap sides
- 27" length

**Fabric:** Modacrylic mesh fabric  
**ATPV:** 5.1 cal/cm<sup>2</sup>  
**CAT Level:** 1  
Meets ANSI 107 -2015 Class 2  
Meets ASTM F1506  
**Sizes:** S/M, L/XL  
**Color:** Lime/Yellow with orange contrast binding

**V8AM0312ZL**  
**Class 2**  
**FR Modacrylic Mesh Vest**

- Non-conductive zipper closure
- 2" - heat transfer silver reflective material
- Adjustable snap sides
- 27" length

**Fabric:** Modacrylic mesh fabric  
**ATPV:** 5.1 cal/cm<sup>2</sup>  
**CAT Level:** 1  
Meets ANSI 107 -2015 Class 2  
Meets ASTM F1506  
**Sizes:** S/M, L/XL  
**Color:** Lime/Yellow

**CLASS 3 VESTS**



**V8A0113V-0**



**V10AM0123ZL**



**V8AM0123ZL**



**V8AM0223VL**

**V8A0113V-0  
Class 3  
FR Modacrylic Solid Vest**

- Hook and loop closure
- 2" - heat transfer silver reflective material
- 27" length

**Fabric:** Modacrylic mesh fabric

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

**CAT Level:** 1

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Hi-vis Orange

**V8AM0123ZL  
Class 3  
FR Modacrylic Mesh Vest**

- Non-conductive zipper closure
- 2" - heat transfer silver reflective material
- 2 slant pockets
- Adjustable snap sleeves
- 27" length

**Fabric:** Modacrylic mesh fabric

**ATPV:** 5.1 cal/cm<sup>2</sup>

**CAT Level:** 1

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Lime/Yellow with orange contrast binding

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

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

**Sizes:** M-6XL

**Color:** Lime/Yellow with orange contrast binding

**V8AM0223VLL  
Class 3  
FR Modacrylic Mesh Vest**

- Reinforced lanyard port
- Hook and loop closure
- Adjustable hook and loop sides
- 2" - 3M™ Scotchlite™ Reflective Material
- Adjustable snap sleeves
- 27" length

**Fabric:** Modacrylic mesh fabric

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

Meets ANSI 107 - 2015 Class 3

Meets ASTM F1506

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

**Color:** Lime/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.

## KNOW THE FACTS!

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 Garments for flash fire protection have the NFPA 2112 Standard on Flame-Resistant Clothing as a guide to ensure that the garments they are selecting meet a minimum standard of protection and that testing for those garments has been certified by an independent source. But what about the Secondary FR garments that are routinely used in hazmat remediation, pharmaceutical and laboratory operations, and petrochemical processing facilities when those FR wearers 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 the 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 spatter, that can become attached to primary flame-resistant garments worn underneath, potentially affecting the performance of those critically important items.

Garments appropriate for this standard are used in industrial settings and the test methods set forth by the standard are intended to ensure that the secondary items will not be a detriment to the primary protection underneath in a flame exposure. These garments can be useful in many applications, like refineries, utilities, and welding.

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 choose 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 garments should now begin to select and utilize those products meeting the new ANSI/ISEA 203 standard for the confidence that the addition of these garments is not compromising the effectiveness of the Primary FR garment 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 is also working to certify the entire Pyrolon family of products to ANSI 125 Level 3 Standard for Conformity Assessment of Safety and Personal Protective Equipment. ANSI 125 establishes a standardized process to ensure product conformity with requirements for product testing, process quality management, market surveillance, corrective action and record keeping, as well as a standardized way to inform purchasers of how the product was evaluated for conformity.

Level 3 PPE is the highest level of certification achievable and applies to PPE for which the user is unlikely able to spot a defective condition in the product in time to avoid grave injury or illness.

Currently both Pyrolon Plus 2 and Pyrolon CBFR have been certified as Level 3 PPE. To learn more about ANSI/ISEA 125-2014 and its impact on how you are selecting your required PPE [here](#).





# FR DISPOSABLE



**NEW**

Now 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!

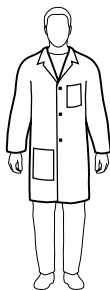


## Pyrolon® Plus 2

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



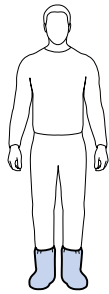
**Coverall 7414**  
Zipper closure, attached hood, boots, elastic wrists.  
**Sizes:** S – 5X  
**Case Pack:** 25



**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**

Pyrolon® CRFR protective wear... Disposable, chemical resistant, and flame resistant, meeting NFPA2113 requirements. Multi-functional qualities in one protective garment. Only from Lakeland.

Pyrolon® CRFR garments bar contaminating flammables like paint, oil and grease, hazardous liquids and contaminants, 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 CBFR

Advanced Chemical Barrier and Flame Resistance



**NEW**

Now 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® CBFR

**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
<b>Chest</b>	36-38	40-42	44-46	48-50	52-54	56-58	60-62
<b>Sleeve</b>	33	34	35	37	38	39	40

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

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

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

Insulated Coveralls									
	S	M	L	XL	2XL	3XL	4XL	5XL	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>	33	34	34	35	35	36	37	38	39
<b>Inseam</b>	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
<b>Chest</b>	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
<b>Sleeve Length</b>	33	33	34	34	35	35	36	36
<b>Center Length Back</b>	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
<b>Chest</b>	32-34	36-38	40-42	44-46	48-50	52-54	56-58	60-62
<b>Sleeve Length</b>	33	33	34	34	35	35	36	36
<b>Center Length Back</b>	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
<b>Waist</b>	28-30	32-34	36-38	40-42	44-46	48-50	52-54	56-58
<b>Inseam - Regular</b>	29	29	29	29	30	31	31	31
<b>Inseam - Tall</b>	32	32	32	32	33	35	35	35

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

## FR HI-VIS APPAREL

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



#### **In the USA**

Toll Free: 800-645-9291

Voice: 256-350-3873

Fax: 256-350-0773

Email: [info@lakeland.com](mailto:info@lakeland.com)

#### **In Canada**

Toll Free: 800-489-9131

Voice: 519-757-0700

Fax: 519-757-0799

Email: [sales-canada@lakeland.com](mailto:sales-canada@lakeland.com)



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