2025 FORGEFR PREMIUM WORK WEAR

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Aarco Uniforms dba FORGE is proud to be a leading provider of Work Wear - FR, Non FR and Hi-Vis workwear keeping workers safe from an array of thermal hazards. We're not just a supplier, we're your partner and that's how we approach worker protection.

We invest in research that leads to innovative FR technology to keep workers safe and comfortable. We use proprietary engineering to create unmatched performance and to continuously improve protection, comfort and value. We test well beyond minimum standards as your garments have to work in the real-life applications.

PROTECTION AGAINST

PROTECTION AGAINST

HEAT & FLAME

FLASH FIRE

UL CLASSIFIED





CLASSIFIED

MOLTEN & METAL

PROTECTION AGAINST



PROTECTION AGAINST WELDING AND ALLIED PROCESSES

PROTECTION AGAINST ELECTROSTATIC DISCHARGE







ELECTRIC ARC PROTECTION





NFPA 70 E (CAL/CM²)

STYLE#MFRSLD-002 MEN'S FR SOLID SNAP SHIRT





FEATURES:

- ♦ 88% cotton 12% nylon 7 Oz
- Inherently aramid sewing thread
- Durable FR fabric
- Two chest pockets with snaps
- Double needle stitching on shoulder seams, pockets and flaps
- White pearl snaps on pocket, placket and cuff closures

STANDARDS:

- ♦ UL certified NFPA 2112-2023
- 🜢 NFPA 70E PPE
- ♦ HRC 2
- ♦ ASTM F1506

ARC RATING:

- ATPV 8.2 cal/cm2
- ♦ HRC/CAT 2



S-XXL

3XL-5XL

LT-3XLT

STYLE#MFRRIPS-003 MEN'S FR SNAP LIGHT WEIGHT RIPSTOP SHIRT





FEATURES:

- ♦ 100% cotton ripstop woven twill FR, 6.5 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Double needle stitching on shoulder seams, pockets and flaps
- YKK snap on front, pocket, placket and cuff closures

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- OL CIOSSITIEO NEPA 2112-2023
 NEPA 70E PPE
- HRC 2

ARC RATING:

▲ ATPV 8.1 cal/cm2
▲ HRC/CAT 2

SIZE: s-xxl

3XL-5XL

LT-3XLT

01

STYLE#MFRDHASO1L MEN'S FR WESTEX DH AIR SHIRT





FEATURES:

- 47% Lenzing lyocell, 38% modacrylic, 15% aramid woven twill 5.5 Oz
- Inherently aramid sewing thread
- Westex[®] DH light weight fabric
- Button down with two front chest pockets
- Double needle stitching on shoulder seams, pockets and flaps

STANDARDS:

- UL classified NFPA 2112-2023
- 🍐 NFPA 70E PPE
- HRC 2
- ♦ ASTM F1506

ARC RATING:

- ATPV 9.1 cal/cm2
- ♦ HRC/CAT 2



3XL-5XL

MT-3XLT







FEATURES:

- Tecasafe One Fabric 51% Lyocell / 39% Modacrylic / 10% Aramid 5.7oz
- Triple needle stitching on shoulder & seams
- Durable & light weight FR fabric
- Shoulder mounted gas detector loop
- Contrast Stitching with Aramid Threads

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- 💧 HRC 2
- ▲ ASTM F1506

ARC RATING:

▲ ATPV 8.2 cal/cm2▲ HRC/CAT 2

SIZE: s-xxl 3xl-5xl LT-3xLT

STYLE# MFRCLS-0010 MEN'S FR CHAMBRAY SHIRT



Chambray



- 88% cotton 12% nylon twill FR, 7oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Two chest pockets with snaps
- Double needle stitching on shoulder seams, pockets and flaps
- White Pearl Snaps on pocket, placket and cuff closures

STANDARDS:

- UL classified NFPA 2112-2023
- 🌢 NFPA 70E PPE
- HRC 2
- ♦ ASTM F1506

ARC RATING:

- ♦ ATPV 8.6 cal/cm²
- è HRC/CAT 2

SIZE:

S-XXL

3XL-5XL

LT-3XLT

STYLE# MFRARIRB-1 MENS FR STELLAR WEAVE BUTTON /SNAP SHIRT





FEATURES:

- 50% FR Viscous 33% Meta Aramid 10% Polyamide 05% Kevlar 02% Antistatic
- Triple needle stitching on shoulder & seams
- Durable & light weight FR fabric
- Shoulder mounted gas detector loop
- Contrast Stitching with Aramid Threads

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- HRC 2
- 🌢 ASTM F1506

ARC RATING:

♦ ATPV 10 cal/cm²
♦ HRC/CAT 2



03

STYLE#MFRLB2PS-024 **MEN'S FR BUTTON SHIRT**





FEATURES:

- 88% cotton 12% nylon twill FR, 7 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Button down with two front chest pockets
- Double needle stitching on shoulder seams, pockets and flaps
- Double-yoke design and centre back seam

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- A HRC 2
- ASTM F1506

ARC RATING:

ATPV 8.2 cal/cm2 A HRC/CAT 2



3XL-5XL

LT-3XLT

STYLE#MFRRIPB-003 MEN'S FR BUTTON LIGHT WEIGHT RIPSTOP SHIRT





FEATURES:

- ♦ 100% cotton ripstop woven twill FR, 6.5 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Button down with double front chest pockets
- Double needle stitching on shoulder seams pockets and flaps

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- A HRC 2

ARC RATING:

ATPV 8.1 cal/cm2 ♦ HRC/CAT 2

SIZE: S-XXL 3XL-5XL



LT-3XLT

STYLE#MFR-605 MEN'S FR BUTTON VENT SHIRT



FEATURES:

- ♦ 88% cotton 12% nylon twill FR, 7 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Button down with two front chest pockets
- Front chest zip pocket
- Soft cotton knit fabric side panels
- 🌢 Back vent

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- NFPA 70E PPE
- HRC 2
- ♦ ASTM F1506

ARC RATING:

- ♦ ATPV 8.2 cal/cm2
- ♦ HRC/CAT 2



LT-3XLT

SIZE:

S-XXL

3XL-5XL

LT-3XLT





Navy

Grev



FEATURES:

- ♦ 100% cotton ripstop woven twill FR, 6.5 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- YKK snap on front, pocket, placket and cuff closures
- Front chest zip pocket
- Soft cotton knit fabric side panels
- Back vent
- Shoulder mounted gas detector loop

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

ATPV 8.1 cal/cm2

♦ HRC/CAT 2

STYLE#MFRRIPVB-607 MEN'S FR RIPSTOP VENT BUTTON SHIRT





FEATURES:

- I00% cotton Ribstop woven twill FR, 6.5oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Front chest zip pocket
- Shoulder mounted gas detector loop
- 🌢 Back vent
- Heat resistance Four eyes buttons

STANDARDS:

- UL classified NFPA 2112-2023
- 🜢 NFPA 70E PPE
- ♦ HRC 2

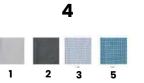
ARC RATING:

- ATPV 8.1 cal/cm2
- ♦ HRC/CAT 2



STYLE#MFRPLD - S (SNAPS) / B (BUTTONS) MEN'S FR PLAID/PRINT SNAP/BUTTON SHIRT





FEATURES:

- 100% Cotton 7 Oz twill FR
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Front with FR four eyes button
- FR button cuffs with sleeves vent
- Available in snaps as well
- Some patterns available in stretch fabric
- 5 patterns selected for yearly stock

STANDARDS:

- UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- 🝐 HRC 2

ARC RATING:

- ♦ ATPV 8.1 cal/cm2
- ♦ HRC/CAT 2

- SIZE:
- S-XXL
- 3XL-5XL
- LT-3XLT

STYLE#MFRHNLY-004 MEN'S FR HENLEY TEE





FEATURES:

- 100% Cotton 6.5 Oz FR knit
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Comfortable self-fabric

STANDARDS:

- UL certified NFPA 2112 2023
- ♦ NFPA 70E PPE
- 🝐 HRC 2
- ASTM F1506

ARC RATING:

- ♦ ATPV 11 cal/cm2
- ♦ HRC/CAT 2



3XL-5XL

LT-3XLT

STYLE#MFRHNLY-LW MEN'S FR LIGHT WEIGHT HENLEY TEE





FEATURES:

- 100% cotton knit 6 Oz FR
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Aibbed collar and cuff to maintain shape
- Chest pocket

STANDARDS:

- UL certified NFPA 2112 2023
- NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

ATPV 9 cal/cm2
HRC/CAT 2

SIZE:

S-XXL

3XL-5XL

LT-3XLT

STYLE#MFRCSHNLY-LW MENS FR CONTRAST STITCH HENLEY





FEATURES:

- 100% cotton knit FR, 6oz
- Inherently Aramid sewing thread
- Lightweight maximum comfortable fabric
- Contrast stitching
- Heat resistance four eyes buttons

STANDARDS:

- ♦ UL classfied NFPA 2112
- NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

♦ ATPV 9 cal/cm2
♦ HRC/CAT 2

SIZE:

3XL

STYLE#MFRCNT-009 MEN'S FR CREW NECK TEE





FEATURES:

- 100% cotton knit 6.5 Oz FR
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Aibbed collar and cuff to maintain shape
- Seam construction for maximum range of motion
- Comfortable self-fabric

STANDARDS:

- ♦ UL certified NFPA 2112 2023
- NFPA 70E PPE
 ASTM F1506
- ASTMFI HRC 2

ARC RATING:

▲ ATPV 11 cal/cm2▲ HRC/CAT 2



STYLE#MFRCNT-LW MEN'S FR LIGHT WEIGHT CREW NECK TEE





FEATURES:

- 100% Cotton 6 Oz FR knit
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Seam construction for maximum range of motion
- Left chest pocket with Velcro closure

STANDARDS:

- ♦ UL certified NFPA 2112 2023
- NFPA 70E PPE
- HRC 2

ARC RATING:

- ATPV 9 cal/cm2
- ♦ HRC/CAT 2



STYLE#MFRCSCNT-LW MEN'S FR CONTRAST STITCH LIGHT WEIGHT CREW NECK TEE





FEATURES:

- 100% cotton knit 6 Oz FR
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Contrast stitching

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- ♦ ASTM F1506
- è HRC 2

ARC RATING:

- ♦ ATPV 11 cal/cm2
- ♦ HRC/CAT 2

SIZE: s-xxl 3xl

STYLE#MFRCNGP MEN'S FR GRAPHIC CREW NECK TEE





FEATURES:

- 100% cotton knit FR, 6.5 Oz
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Screen printed graphic

STANDARDS:

- UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- ♦ HRC 2
- 🌢 ASTM F1506

ARC RATING:

♦ ATPV 11 cal/cm2♦ HRC/CAT 2



STYLE#MFRCAMOT-1 MEN'S FR WITH CAMO PRINT SLEEVE TEE



FEATURES:

- 100% cotton knit FR, 6.5 Oz
- Inherently aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Stra sotta comfortable taxium range of motion

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- ♦ ASTM F1506
- 🝐 HRC 2

ARC RATING:

- ♦ ATPV 11 cal/cm2
- ♦ HRC/CAT 2

SIZE:

- 3XL-5XL
- LT-3XLT

COLOR:

Navy Sand



STYLE#MLFRBBT-0021 MEN'S FR BASEBALL TEE





FEATURES:

- ♦ 100% cotton knit FR, 6.5 Oz
- Rib Knit collar & cuff
- Seam constriction gives comfortable motion
- Inherently aramid sewing thread
- Comfortable self-fabric

STANDARDS:

- 🌢 UL certified NFPA 2112 2023
- 🜢 NFPA 70E PPE
- ♦ HRC 2
- 🜢 ASTM F1506

ARC RATING:

- ATPV 11 cal/cm2
- HRC/CAT 2



STYLE#MFRBSLYR-01 MEN'S FR BASE LAYER TEE





FEATURES:

- Modacrylic blend mix Spandex FR knit 5oz
- Inherently aramid sewing thread
- Screen printed logo at neckline
- Durable & Strech fabric provides durability with the freedom to move
- Feather light & Breathable FR knit fabric

STANDARDS:

- ASTM F1506
- NFPA 70E PPE
- HRC/CAT 1

SIZE:
S-XXL
3XL-5XL
XLT-3XLT

STYLE#MFRJ-008 MEN'S FR JEANS





FEATURES:

- I00% Cotton denim weave FR, 15 Oz
- Inherently aramid sewing thread
- Durable FR denim fabric
- Front with aramid FR zipper
- Relaxed fit-boot cut

STANDARDS:

- UL classified NFPA 2112-2023
- 🍐 NFPA 70E PPE
- 🖕 HRC 2

ARC RATING:

- ▲ ATPV 13 cal/cm2
- ARC/CAT 2

SIZE:

30 IN--W 30, 31, 32, 33, 34, 36, 38, 40, 42, 44

32 IN--W 30, 31, 32, 33, 34, 36, 38, 40, 42, 44

34 IN--W 30, 31, 32, 33, 34, 36, 38, 40,42, 44

36 IN--W 30, 31, 32, 33, 34, 36, 38, 40

STYLE#MFRJ-101 MEN'S FR CROSS HATCH JEANS



COLOR:



FEATURES:

- ♦ 100% Cotton denim Woven FR 13 Oz
- Inherently aramid sewing thread
- Durable FR fabric
- Front with aramid FR zipper
- Non-conductive button closure
- Relaxed fit-boot cut jeans

STANDARDS:

- UL classified NFPA 2112-
- 2023 • NFPA 70E PPE
- ♦ HRC 2
- ♦ ASTM F1506

ARC RATING:

▲ ATPV 14 cal/cm2
 ▲ HRC/CAT 2

SIZE:

28 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60

30 IN--W 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60

32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48, 50

34 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48, 50

36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

38 IN--W 30, 32, 33, 34, 35, 36, 38, 40, 42, 44

STYLE#MFRJ-102 MEN'S FR STRETCH DENIM JEANS



FEATURES:

- 98% Cotton 2% spandex Denim Weave FR, 10.5 Oz
- Durable & light weight fabric for durable flex
- Heavy-duty zippers & hardware
- Deep front pockets
- Stra sotta comfortable taxium range of motion

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- ♦ HRC 2

ARC RATING:

▲ ATPV 13 cal/cm2
▲ HRC/CAT 2

SIZE:

30 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

32 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

34 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48

36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

STYLE#MFRJ-103 MEN'S FR STRETCH HEAVY EMBROIDERY JEANS







FEATURES:

- 98% Cotton 2% spandex Denim Weave FR, 10.5oz
- Inherently Aramid sewing thread
- Front with Aramid FR zipper
- Durable & light weight fabric for durable flex
- Heavy embroidery looking more fashionable

STANDARDS:

- UL classfied NFPA 2112-2023
- 🝐 NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

ATPV 13 cal/cm²
 HRC/CAT 2

SIZE:

30 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

34 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48

36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

38 IN--W 32, 33, 34, 35, 36, 38, 40

STYLE#MFRJ-104 MEN'S FR STRETCH FASHION JEANS



Denim

FEATURES:

- ♦ 98% Cotton 2% spandex Denim Weave FR, 10.5oz
- Inherently aramid sewing thread
- Front with Aramid FR zipper
- Mid rise
- Durable & light weight fabric for durable flex
- Heavy embroidery looking more fashionable

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- NFPA 70E PPE
- HRC 2

ARC RATING:

- ♦ ATPV 13 cal/cm2
- ♦ HRC/CAT 2

SIZE:

30 IN--W 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

34 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48

36 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

STYLE#MFRJ-105 MEN'S FR DARK DENIM JEANS



- I00% Cotton Cross Hatch FR, I3oz
- Inherently Aramid sewing thread
- Front with Aramid FR zipper
- Flame Resistant Durable Denim fabric
- 5 pockets, heavy embroidery
- Bar tacks on stress points for reinforcement
- two-tone topstitching

STANDARDS:

- UL classified NFPA 2112
- 🜢 NFPA 70E PPE
- 🖕 HRC 2

ARC RATING:

ATPV 14 cal/cm2
HRC/CAT 2

SIZE:

28 IN--W 28, 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60

30 IN--W 28, 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60

32 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40,42, 44, 46, 48, 50

34 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50

36 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44

38 IN--W 30, 31, 32, 33, 34, 36, 38, 40, 42, 44







STYLE#MFRP-5 MEN'S FR CANVAS PANT





FEATURES:

- ♦ 88% Cotton 12% nylon canvas Weave FR, 9.5 Oz
- Inherently aramid sewing thread
- Durable & light fabric
- Multiple utility pockets

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- ♦ HRC 2

ARC RATING:

- ♦ ATPV 12 cal/cm2
- ♦ HRC/CAT 2

SIZE:

30 INW 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56
32 INW 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56
34 INW 30, 31, 32, 33, 34, 36, 38, 40,42, 44, 46, 48, 50, 52, 54, 56
36 INW 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56
38 INW 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56





STYLE#MFRP-06 MEN'S FR RIPSTOP PANT

FEATURES:

- 88% cotton 12% nylon ripstop woven 7oz
- Utility pocket
- Articulated knees
- Lightweight & ripstop

STANDARDS:

- UL classified NFPA
- 2112-2023 NFPA 70E PPE
- HRC 2
- ASTM F1506

ARC RATING:

▲ ATPV 8.2 cal/cm2
▲ HRC/CAT 2

SIZE:

30 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

34 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48

36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

38 IN--W 32, 33, 34, 35, 36, 38, 40, 42, 44

STYLE#MFRP-7 MEN'S FR UNIFORM PANT





FEATURES:

- I00% cotton twill brush FR 7.5oz
- Inherently aramid sewing thread
- Professional look while remaining comfortable
- Bronze zippers with aramid tape
- More soft& comfortable & light weight fabric
- Back Welt Pockets with Hook & Loop Flap Closure

STANDARDS:

ARC RATING:

▲ ATPV 8.1 cal/cm2
▲ HRC/CAT 2

- UL certified NFPA 2112-2023
 NFPA 70E PPE
- ♦ HRC 2

30 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44 32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48 34 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

SIZE:

40,42, 44, 46, 48 36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

38 IN--W 32, 33, 34, 35, 36, 38, 40

STYLE#MFRP-8 MEN'S FR CARGO PANT



COLOR:

Navy Khaki Grey

FEATURES:

- ♦ 100% cotton twill brush FR 7.5 oz
- Inherently aramid sewing thread
- Utility Pocket with Hook & Loop Closure
- Bronze zippers with aramid tape
- More soft& comfortable & light weight fabric
- Back Welt Pockets with Hook & Loop Flap Closure

STANDARDS:

- ♦ UL certified NFPA 2112-2023
- 🜢 NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

▲ ATPV 8.1 cal/cm2
▲ HRC/CAT 2

SIZE:

30 IN--W 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

32 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44, 46, 48

34 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40,42, 44, 46, 48

36 IN--W 29, 30, 31, 32, 33, 34, 35, 36, 38, 40, 42, 44

38 IN--W 32, 33, 34, 35, 36, 38, 40

STYLE#MFRP-10 MEN'S FR UTILITY PANT





FEATURES:

- 88% Cotton 12% Nylon Canvas 10oz FR
- Inherently aramid sewing thread
- Front with Aramid FR zipper
- Hidden phone pocket
- Utility and multi-tool pocket
- Durable & Heavy stitching

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE HRC 2

ARC RATING:

- ATPV 12 cal/cm²
 HRC/CAT 2
- HRC/CAT 2

SIZE: 30 IN--W 30, 31, 32, 33, 34, 36, 38, 40, 42, 44

32 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48

34 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44, 46, 48

36 IN--W 29, 30, 31, 32, 33, 34, 36, 38, 40, 42, 44

STYLE#MFRDHCVRL MEN'S FR DH AIR COVERALL





FEATURES:

- DH 5.5 S/8811 5.50Z/YD2 47% LYOCELL /38% MODACRYLIC/ 15% ARAMID
- Front closing with zipper and snap button
- 2 Chest pocket with flap and velcro closure
- 2 Black pocket with flap and velcro closure
- 2 side pockets with pocket bage and ineer access from both side
- Adjustable cuffs with snap button

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- NFPA 70E PPE
- 🜢 HRC 2
- 🍐 ASTM F1506

ARC RATING:

▲ ATPV 9.1 cal/cm2
 ▲ HRC/CAT 2



STYLE# MFRECVRL-11 MEN'S FR ECO COVERALL





2

FEATURES:

- 88%Cotton 12% Nylon FR, 7oz
- Light weight for comfort
- Two patch-style chest pockets
- Two back patch pockets
- Inner Access
- Antique Brass zipper with aramid tape & Sewn with aramid thread

STANDARDS:

- UL certified NFPA 2112
- ♦ NFPA 70E PPE
- 💧 HRC 2
- è ASTM F1506

ARC RATING:

♦ ATPV 11 cal/cm2
♦ HRC/CAT 2



STYLE#MFRIB-007 MEN'S FR INSULATED BIB OVERALL



- 100% Cotton 11 Oz Canvas
- Inherently aramid sewing thread
- Durable FR canvas fabric
- Aramid FR metal tape
- Cotton FR lining and polyester FR padding

STANDARDS:

- NAPA 2112-2023
- ♦ NFPA 70E PPE
- è HRC 3

ARC RATING:

- ATPV 36 cal/cm2
- ♦ HRC/CAT 3

- SIZE:
- 3XL-5XL
- LT-3XLT



STYLE#MFRTHCNT-1 MEN'S FR THERMAL SWEATER WITH CONTRAST STITCHING





- ♦ 100% cotton fleece FR, 12 Oz
- Inherently aramid sewing thread
- Soft and comfortable fabric
- Ribbed cuff to maintain shape
- Inseam construction for maximum range of motion

STANDARDS:

- UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- 🖕 HRC 2
- 🍐 ASTM F1506

♦ HRC/CAT 2

ARC RATING:

♦ ATPV 21 cal/cm2



COLOR:



STYLE# -MFRQZHDY-3

MEN'S FR ¼ ZIP SWEATER

FEATURES:

- ♦ 100% cotton fleece FR, 12 Oz
- Inherently aramid sewing thread
- Soft and comfortable fabric
- 🌢 Kangaroo Pocket
- Standing Collar Styling
- Quarter Zip At Front

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE

ARC RATING:

♦ ATPV 21 cal/cm2
♦ HRC/CAT 2

SIZE:	
S-XXL	

3XL-5XL

LT-3XLT





STYLE#MFRHDY-003 MEN'S FR HOODIE WITH ZIP





FEATURES:

- 100% cotton 12 Oz fleece FR
- Inherently aramid sewing thread
- Front zipper with aramid tape
- Soft and comfortable fabric
- Ribbed cuff to maintain shape

STANDARDS:

- UL certified NFPA 2112-2023
- ♦ NFPA 70E PPE
- 💧 ASTM F1506
- HRC 2

ARC RATING:

- ATPV 21 cal/cm2
- ♦ HRC/CAT 2



3XL-5XL

LT-3XLT

STYLE#MFRFPTH-001 MEN'S FR CONTRAST STITCH HOODIE WITH ZIP





FEATURES:

- 100% cotton 12 Oz fleece
- In front hand warmer pouch pocket
- Extended construction of inseam improves range of motion
- Attached hood

STANDARDS:

- 🜢 UL certified
- NFPA 2112-2023
- HRC 2
 ASTM F1506
- ▲ ASIM FISUE

ARC RATING:

- ♦ ATPV 21 cal/cm2
- HRC/CAT 2

SIZE:

S-XXL

3XL-5XL

LT-3XLT

STYLE#MFRHDY-0033 MEN'S FR PULLOVER





FEATURES:

- ♦ 100% cotton fleece FR, 12oz
- Inherently aramid sewing thread
- Soft and comfortable fabric
- Ribbed cuff to maintain shape
- 🌢 Kangaroo pocket

STANDARDS:

- UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- HRC 2
- 🍐 ASTM F1506

ARC RATING:

ATPV 21 cal/cm2
HRC/CAT 2



STYLE#MFRHDYGP-33 MEN'S FR HOODIE WITH GRAPHIC



Black



FEATURES:

- ♦ 100% cotton fleece FR, 12 Oz
- Inherently sramid sewing thread
- Soft and comfortable fabric
- Ribbed cuff to maintain shape
- Screen printed graphic, fifferent pattern in each color
- 🍐 Kangaroo pocket

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- HRC 2
 ASTM F1506
- ♦ ASIM FI500

ARC RATING:

♦ ATPV 21 cal/cm2♦ HRC/CAT 2

317	-

S-XXL

- 3XL-5XL
- LT-3XLT

STYLE#MFRIJDH-006 MEN'S FR DUCK JACKET WITH DETACHABLE HOOD





FEATURES:

- 100% Cotton 11 Oz FR canvas
- Il Oz twill treco lining insulation for warmth
- Durable FR canvas fabric
- Cotton FR lining and polyester FR padding
- Front with metal zipper

STANDARDS:

- NFPA 2112-2023
- NFPA 70E PPE
- A HRC 3

ARC RATING:

- ATPV 36 cal/cm2 A HRC/CAT 3
- SIZE: XS-XXL 3XL-5XL LT-3XLT

STYLE#MFRIJDHS-007 MEN'S FR INSULATED DUCK HOODED STRETCH JACKET WITH HOOD



- 87% cotton 12% nylon 1% spandex woven Canvas FR 10 Oz
- 100% cotton twill FR 7.5 Oz
- Sewn with inherently FR thread
- Heavy duty brass zipper
- Storm flap at center front zipper
- Durable and Stretch fabric provides durability with maximum flex
- Detachable hood with snap closure

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- NFPA 70E PPE
- ♦ HRC 3

ARC RATING:

ATPV 36 cal/cm2 ♦ HRC/CAT 3

- SIZE:
- S-XXL
- 3XL-5XL
- LT-3XLT





STYLE#MFRTJO1-0038 MEN'S FR RIPSTOP JACKET





FEATURES:

- 88% cotton 12% nylon twill FR ripstop laminated and combined with FR fleece
- 88% cotton 12% nylon twill FR ripstop as pocket fabric
- Two front side pocket with zipper
- Left straight chest pocket with zipper
- Greater arm mobility seam construction for maximum range of motion
- Zippered chest pocket warmth

STANDARDS:

- NFPA 2112-2023
- NFPA 70E PPE

♦ HRC/CAT 2

♦ HRC 2

SIZE: xs-xxl 3xl-5xl LT-3xLT

ARC RATING:



MEN'S FR RIPSTOP INSULATED JACKET WITH HOOD





FEATURES:

- ♦ 88% cotton 12% nylon woven ripstop FR 7 Oz
- ♦ 100% cotton twill FR 7 Oz
- Sewn with inherently FR thread
- Storm flap at center front zipper
- Interior secured zipper chest pockets
- Zippered chest pocket
- Easy access hand pockets

STANDARDS:

- UL classified NFPA 2112-2023
- 🖕 NFPA 70E PPE
- 🜢 HRC 3

ARC RATING:

▲ ATPV 36 cal/cm2
▲ HRC/CAT 2

SIZE:

- S-XXL
- 3XL-5XL
- LT-3XLT

STYLE#MFRVST-001 MEN'S FR CANVAS DUCK VEST





FEATURES:

- I00% Cotton canvas weave FR II Oz
- 100% Cotton twill FR, 220g
- 100% Polyester FR, 200g
- Il oz twill trace lining insulation for warmth
- Two large front pockets
- Two inside drop-in pockets

STANDARDS:

- NFPA 2112-2023
- 🜢 NFPA 70E PPE
- è HRC 3

ARC RATING:

- ♦ ATPV 36 cal/cm2
- HRC/CAT 3



LT-3XLT

STYLE#MFRTVO1-0041 MEN'S FR RIPSTOP VEST





FEATURES:

- 88% cotton 12% nylon twill FR ripstop laminated and combined with FR fleece
- Left Straight chest pocket with zipper
- Two front side pocket with zipper
- Lightweight comfort and warmth
- Zippered chest pocket
- 88% cotton 12% nylon twill FR ripstop as pocket fabric

STANDARDS:

- NFPA 2112-2023
- 🝐 NFPA 70E PPE
- 💧 HRC 2

ARC RATING:



SIZE:

- S-XXL
- 3XL-5XL

LT-3XLT

STYLE#MFRHVST-1 MEN'S FR HI-VIS T-SHIRT WITH TAPING



Yellow

COLOR:

Yellow



- Modcrylic, cellulose, polyarylate, nylon knit 6.4 Oz
- Inherently aramid sewing thread
- Ultrasoft skin feeling light weight inherently FR knit fabric
- Ribbed cuff and neck
- 360°C high visible heat transfers segmented tape

STANDARDS:

ANSI 107 class 3

ARC RATING:

▲ ATPV 8.4 cal/cm2

♦ HRC/CAT 2

- ♦ UL classified NFPA 2112-2023
- ▲ NFPA 70E PPE
- A HRC 2

SIZE: S-XXL

3XL-5XL

SIZE:

S-XXL

3XL-5XL

STYLE#MFRHVV-020 **MEN'S FR HI-VIS VEST**



- 88% Cotton 12 % Nylon 7 Oz Twill FR
- Durable FR fabric
- Inherently aramid sewing thread
- Reflective trim
- Front two pockets
- Zipper closure

STANDARDS:

- UL certified NFPA 2112-2023
- NFPA 70E PPE
- ASTM F1506
- ANSI 107 class 2
- ♦ HRC 2

ARC RATING:

♦ ATPV 8.2 cal/cm2 ♦ HRC/CAT 2



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STYLE#MFRRJDH-0016 MEN'S FR RAIN JACKET





Yellow

FEATURES:

- I00% FR PU with cotton FR knit basis
- Flame and Arc resistant
- Light weight, breathable and fast drying
- 100% waterproof welded seams
- Hi-Vis reflective trim
- Two patch pockets with flaps

STANDARDS:

ARC RATING:

- ♦ NFPA 70E
- ASTM D6413
- ♦ ASTM F1959
- ANS/ISEA107 Type R Class 3
- 🍐 ASTM F1891
- 🍐 ASTM F2733

A HRC/CAT 2

SIZE:

3XL-5XL

STYLE#MFRBIBO-0017 MEN'S FR RAIN BIB OVERALL

FEATURES:

- 100% PU coating FR cotton knit 340g
- Convenient front pocket
- Adjustable shoulder straps
- ▲ 2" silver reflective trim
- Adjustable elastic suspender system for fit and comfort
- Waterproof welded seams with reinforced stress points to provide durable construction
- FR hook and loop tabs to adjust leg cuff

STANDARDS:

- ASTM D6413
- 🖕 ASTM F1959
- è ASTM F1891
- 🍐 ASTM F2733
- ANSI 107 Type E class 3

ARC RATING:

- ATPV 16 cal/cm2
- ♦ HRC/CAT 2

SIZE: s-xxl 3xl-5xl

26



Yellow

STYLE#MFRRJKT-1 MENS FR RAIN JACKET





FEATURES:

- 100% polyester PU coated 240gsm FR
- 100% polyester FR lining
- Inherently aramid sewing thread
- abrasion,puncture
- è 4″ FR Y-G−Y tape
- Heavy-duty FR-treated 300D polyester with PU backing gives superior
- Contoured collar with detachable hood
- Two front pockets with FR hook and loop closure

SIZE:

3XL-5XL

S-XXL

Waterproof, and windproof

STANDARDS:

- 🖕 ASTM D6413
- 🖕 CSA Z96-15 Class 1
- ANSI/ISEA 107-2015 Type O, Class 1

STYLE#MFRRIJKT-2

- STYLE ALSO AVAILABLE WITH INSULATED JACKET
- 🍐 100% polyester FR

STYLE#MFRRDSTR-1 MENS FR RAIN DUSTER



- 100% polyester PU coated 240gsm FR
- 100% polyester
- 🌢 4" FR Y-G-Y tape
- Waterproof, and windproof
- Back ventilation system for increased airflow
- Heavy-duty FR-treated 300D polyester with PU backing gives superior abrasion,puncture

STANDARDS:

- CSA Z96-15 Class 1
- ANSI/ISEA 107-2015 Type O, Class
- 🌢 ASTM D6413

SIZE: s-xxl 3xl-5xl

STYLE#MFRRIDSTR-2

STYLE ALSO AVAILABLE WITH INSULATED DUSTER

🜢 100% polyester FR



Dark Navy

STYLE#MFRRP-1 MENS FR RAIN PANT

FEATURES:

- 100% polyester PU coated 240qsm FR
- 100% polyester
- Inherently aramid sewing thread
- abrasion, puncture
- 🖕 4" FR Y-G-Y tape
- Heavy-duty FR-treated 300D polyester with PU backing gives superior
- Two back patch pocket with FR hook and loop closure
- Inherenly FR Aramid base front zipper
- Waterproof, and windproof

STANDARDS:

- ♦ ASTM D6413
- CSA Z96-15 Class 1
- ANSI/ISEA 107-2015 Class E

COLOR:



STYLE# MFRRIP-2

STYLE ALSO AVAILABLE WITH INSULATED PANT

🝐 100% polyester 200g

STYLE#MFRSLDTP-24 MENS FR SOLID BUTTON SHIRT WITH TAPING





Navy Lt. Grey

FEATURES:

- ♦ 88% cotton 12% nylon twill FR, 7 Oz
- Inherently aramid sewing thread
- Double needle stitching on shoulder seams pockets and flaps
- Durable & light weight FR fabric
- 'X' cross FR reflective strips on back
- Button down with two front chest pockets
- ♦ 360°C high visible Y-G-Y FR tape

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- A HRC 2
- ▲ ASTM F1506

ARC RATING:

- ATPV 11 cal/cm2
- HRC/CAT 2





STYLE#MFRECVRTP-11 MEN'S FR COVERALL WITH TAPING



FEATURES:

- ♦ 88% cotton 12% nylon twill FR, 7 Oz
- Durable & light weight FR fabric
- Inherently aramid sewing thread
- Button down with two front chest pockets
- 'X' cross FR reflective strips on back
- ♦ 360°C high visible Y-G-Y FR tap
- Double needle stitching on shoulder seams pockets and flaps

STANDARDS:

- UL classified NFPA 2112-2023
- 🖕 NFPA 70E PPE

ARC RATING: ATPV 11 cal/cm2

♦ ASTM F1506

♦ HRC/CAT 2

🜢 HRC 2

COLOR:



STYLE#MFRCBST-2 MEN'S FR BUTTON SHIRT WITH TAPING





- ♦ 88% cotton 12% nylon twill FR. 7 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Button down with two front chest pockets
- 360°C high visible 2* FR Heat transfer tape
- 'X' cross 2" FR Heat transfer tape on back

 Double needle stitching on shoulder seams pockets and flaps

STANDARDS:

- UL classified NFPA 2112-2023
- 🝐 NFPA 70E PPE
- 🖕 HRC 2
- ASTM F1506

ARC RATING:

▲ ATPV 8.2 cal/cm2
 ▲ HRC/CAT 2



SIZE:

S-XXL

3XL



STYLE#MFRCCNT-3 MEN'S FR CREWNECK WITH TAPING



Orange

FEATURES:

- 100% cotton knit FR, 6.5 Oz
- Inherently aramid sewing thread
- Lightweight comfortable fabric
- Ribbed collar and cuff to maintain shape
- 360°C high visible 2 FR Heat transfer tape
- 'X' cross 2" FR Heat transfer tape on back

STANDARDS:

- ♦ UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- ♦ HRC 2
- 🍐 ASTM F1506

ARC RATING:

ATPV 11 cal/cm2
 HRC/CAT 2



STYLE#MFRCHDY-4 MEN'S FR HOODIE WITH ZIPPER WITH TAPING



Orange

FEATURES:

- ♦ 100% cotton fleece FR, 12 Oz
- Inherently aramid sewing thread
- YKK high temperature plastic snap closure detachable Hood
- Soft and comfortable fabric
- Ribbed cuff to maintain shape
- 360°C high visible 4" FR Y-G-Y heat transfer tape
- 'X' cross 4" FR Y-G-Y Heat transfer tape on back

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- 🖕 HRC 2
- 🍐 ASTM F1506

ARC RATING:

ATPV 21 cal/cm2
HRC/CAT 2



STYLE#MFRCPRKA-1 MEN'S FR PARKA JACKET



FEATURES:

- ♦ 88% cotton 12% nylon twill FR 7 Oz
- ♦ 100% cotton twill FR 7.5 Oz
- Modacrylic padding
- Sewn with inherently FR thread
- ♦ 4" FR Y-G-Y reflective tape
- Tough double-stitched seams
- All metal components are concealed to ensure no arc flash conductivity
- Modacrylic batting qulited with FR twill fabric make sure great warm and safe

STANDARDS:

- UL classified NFPA 2112-2023
- ♦ NFPA 70E PPE
- 🜢 CAT 3

SIZE:

3XL-5XL

ARC RATING:

- ATPV 36 cal/cm2
- ♦ HRC/CAT 3



COLOR:

Navy

STYLE#MFRNGTR-01 MEN'S FR NECK GAITER

FEATURES:

- Modacrylic, cellulose, polyacrylate, nylon knit 6.4 Oz
- Ultra-soft Inherently FR knit fabric
- Lightweight & compact
- Less restrictive breathing
- Stretches for comfort

STANDARDS:

- NFPA 2112-2023
- NFPA 70E PPE
- 🜢 HRC 2



MENS FR BALACLAVA



COLOR:



FEATURES:

- Inherent modacrylic fleece with Spandex material
- Breathes and wicks moisture
- Modacrylic blend fleece 340gsm
- Available in pack of 12 pcs

STANDARDS:

- NFPA 2112-2023
- 🝐 NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

ATPV 10 cal/cm2
HRC/CAT 2



STYLE#MFRBNE-001 MEN'S FR BEANIE



Black

FEATURES:

- Inherent modacrylic fleece with Spandex material
- Inherently Flame resistant
- Power grid technology a patented grid construction that breathes and wicks moisture
- Available in pack of 12 pcs

STANDARDS:

- ♦ NFPA 70E PPE
- ♦ NFPA 2112-2023
- 🝐 HRC 2

ARC RATING:

▲ ATPV 10 cal/cm2▲ HRC/CAT 2



STYLE#MFR6PC-0048 MEN'S FR 6 PANEL CAP



COLOR:



FEATURES:

- 88% cotton 12% nylon twill FR, 7oz
- Low Crown, 6-Panel Styling

STANDARDS:

- NFPA 2112-2023
- ♦ NFPA 70E PPE
- è ASTM F1506

STYLE#MFRCAP6PC-0052 FEATURES: NON-FR 6 PANEL CAP

- 100% Cotton
- Low crown, 6-Panel styling
- Comfortable fit
- Available in assorted prints
- 🍐 Pre-shrunk



SIZE:

S-XXL

3XL

- 7-1/8; 7-1/4 7-3/8; 7-1/2
- 7-5/8; 7-3/4

STYLE#LFRSLD LADIES FR SOLID SHIRT

FEATURES:

- 88% Cotton 12% Nylon FR Shirt Twill FR 7 Oz
- Inherently aramid sewing thread
- Durable FR fabric
- FR Heat resistant snap
- White Pearl snaps on pocket placket and cuff closures
- Double needle stitching on shoulder seams pockets and flaps

STANDARDS:

- UL certified NFPA 2112-2023
- ♦ NFPA 70E PPE
- ♦ ASTM F1506
- 🝐 HRC 2

ARC RATING:

▲ ATPV 8.2 cal/cm2
 ▲ HRC/CAT 2





STYLE#LFRCNT-001 LADIES FR CREW NECK TEE



FEATURES:

- 100% Cotton 6.5 Oz Knit FR
- Inherently Aramid sewing thread
- Lightweight maximum comfortable fabric
- Ribbed collar and cuff to maintain shape
- Inseam construction for maximum range of motion

STANDARDS:

- UL certified NFPA 2112-2023
- NFPA 70E PPE
- ♦ ASTM F1506
- 💧 HRC 2

ARC RATING:

♦ ATPV 11 cal/cm2
♦ HRC/CAT 2



STYLE#LFRCVRL-0014 LADIES FR COVERALL

FEATURES:

- 100% cotton twill FR 7.5 Oz
- Inherently aramid sewing thread
- Durable & light weight FR fabric
- Contrast stitching look more fashionable
- A pencil pocket on the sleeve
- Heat resistant plastic snap on pocket placket and cuff closures
- Adjustable elastic back waist provided

STANDARDS:

- UL classified
- NFPA 2112-2023
- ASTM F1506
- HRC 2

ARC RATING:

ATPV 8.1 cal/cm2 HRC/CAT 2 SIZE: xs-xxl 3xl-5xl

COLOR:

Navy

STYLE#LFRJ001-0051 LADIES FR CROSS HETCH JEANS



Denim Blue

FEATURES:

- 100% Cotton 13 Oz Cross Hatch FR
- Two hip pockets with embroidery
- Mid rise
- Boot cut
- FR metal zipper

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- A HRC 2 ASTM F1506

ARC RATING:

ATPV 14 cal/cm2 ♦ HRC/CAT 2

SIZE:

0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26





FEATURES:

- ♦ 98% Cotton 2% spandex Denim Weave FR, 10.5oz
- Inherently Aramid sewing thread
- Modern Styling with fashionable back embroidery
- Front with Aramid FR zipper
- Look of light hand sanding and tacking

STANDARDS:

- UL certified NFPA 2112-2023
- ♦ NFPA 70E PPE
- A HRC 2

ARC RATING:

ATPV 13 cal/cm2 ♦ HRC/CAT 2

SIZE:

0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26



Denim Blue

STYLE#LFRP-7 LADIES FR UNIFORM PANT



Navy

COLOR:

Navy

FEATURES:

- 100% cotton twill brush FR 7.5 oz
- Inherently aramid sewing thread
- Inset back uniform pockets
- Bronze zippers with aramid tape
- More soft& comfortable & light weight fabric

STANDARDS:

- UL classified NFPA 2112-2023
- NFPA 70E PPE
- ARC/CAT 2

ARC RATING:

▲ ATPV 8.1 cal/cm²
▲ HRC/CAT 2



0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26

STYLE#LFRHDY-003 LADIE'S FR HOODIE W/ZIP

FEATURES:

- 100% cotton fleece FR, 12oz
- Inherently Aramid sewing thread
- Soft and comfortable fabric
- In front hand warmer pouch pocket
- Ribbed cuff to maintain shape

STANDARDS:

- UL classfied NFPA 2112-2023
- 🖕 NFPA 70E PPE
- 💧 HRC 2

ARC RATING:

ATPV 21 cal/cm²
 HRC/CAT 2

SIZE:

- S-XXL
- 3XL

36

NFPA 2112 - STANDARD ON FLAME-RESISTANT GARMENTS FOR PROTECTION OF INDUSTRIAL PERSONNEL AGAINST FLASH FIRE.

This standard specifies the minimum performance requirements and test methods for Flame resistant fabrics and components, and the design and certification requirements for garments developed to protect workers from a flash fire hazard.



NFPA 70E

Standard for Electrical Safety in the Workplace The National Fire Protection Association (NFPA) 70E is a comprehensive standard that establishes best electrical safety practices standards on how to protect workers from electric arc flash and arc blast exposure and resulting potential injury and death.

There are 4 Arc Hazard Risk Categories under NFPA 70E defined by the ATPV ratings:



AMERICAN NATIONAL STANDARD FOR HIGH - VISIBILITY SAFETY APPAREL

ANSI/ISEA 107:2015 provides performance requirements for conspicuous materials to be used in HVSA and specifies minimum amounts of background, retroreflective and combined-performance materials, colors and placement of materials for garments, supplemental items and accessory items used to enhance the visibility and safety of workers.



NFPA 2112 requires Flame Resistant fabrics to pass a comprehensive battery of thermal tests, including the following:

ASTM D6413 – Vertical Flammability test for 12 seconds

Original state and after 100 laundry cycles: Maximum two seconds after flame and four-inch char length allowed

ASTM F2700 – Heat Transfer Performance (HTP) test

Minimum HTP of 6 cal/cm² spaced and 3 cal/cm² contact

Heat Resistance

Fabric must not melt or drip, separate or ignite after 5 minutes exposure in a 500°F or 260°C oven

Thermal Shrinkage test

Fabric must not shrink more than 10% after 5 minutes exposure in a 500°F or 260°C oven

ASTM F1930-11 – Instrumented Mannequin test

Maximum 50% predicted body burn(second and third degree burns) after 3 second flame and heat exposure averaging 83 kW/m² (2.0 cal/ cm² sec).

ASTM F1506, Standard performance specification for flame resistant textile materials for wearing apparel for use by electrical workers exposed to momentary electric arc and related thermal hazards.

This specification outlines the minimum requirements of fabric to be met before being assigned the "Arc Rated" title. Under this specification **ASTM F1506**, a number of tests are performed:

- Arc Flash test as per ASTM F1959 Arc Thermal Performance Value (ATPV) / Energy Breakopen Threshold (EBT50)
- Color fastness to Laundering
- Dimensional Change
- Breaking Strength, Tear Strength, Yarn Slippage (wovens)
- Bursting Strength (knits)

ASTM F2621 is a garment evaluation test. This is done after the fabric

has been tested. The garment is exposed to an arc flash at approximately the level of the arc rating of the fabric.

The ANSI/ISEA 107:2015 establishes three types of garments:

Type O (off-road), For non-roadway use, where workers are not exposed to highway traffic or temporary traffic control zones. Type O HVSA is Performance Class 1.

Type R (roadway), For use where workers are exposed to traffic from public access highway rights-of-way or roadway temporary traffic control zones. Type R HVSA may be Performance Class 2 or 3.

Type P (public safety), For emergency and incident responders and law enforcement personnel who are exposed to struck-by hazards in roadway or off-road work environments.

These garments provide additional options addressing competing hazards or the need for access to special equipment. Type P HVSA may be Performance Class 2 or 3.

FORGEFR

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