

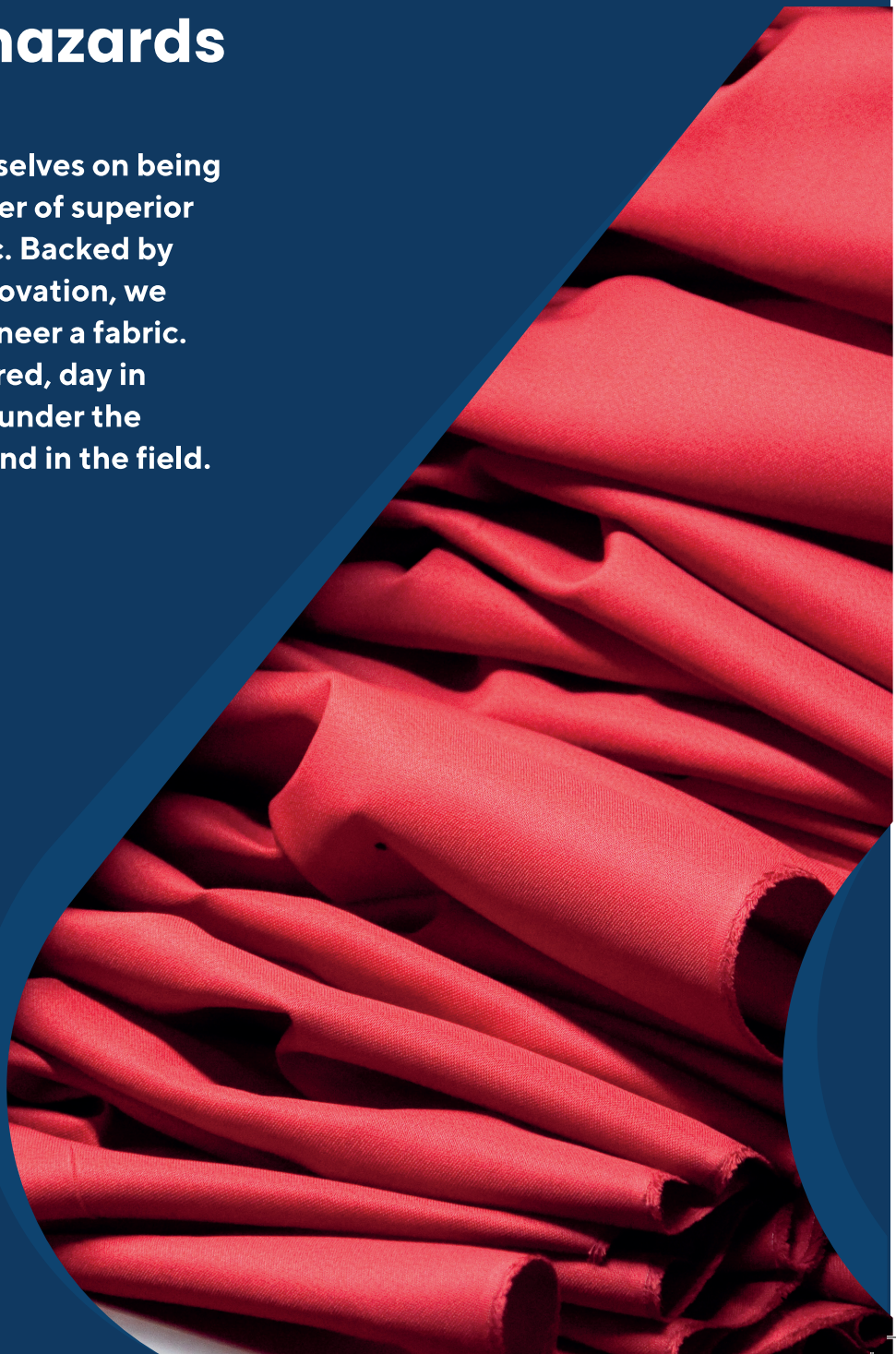


THE WESTEX™ DIFFERENCE

Performance fabrics that offer the ultimate protection from various fire hazards

At Westex™, we pride ourselves on being the world's largest producer of superior flame-resistant (FR) fabric. Backed by 150 years of Milliken™ innovation, we know what it takes to engineer a fabric. This is why we have delivered, day in day out, on our guarantee under the harshest test conditions, and in the field.

www.westex.asia



PERFORMANCE THAT MATTERS

Flame-resistant fabrics engineered for highest safety



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01 WESTEX™

The Westex™ Story

“ At Westex™, we go all in for worker safety. We are leaders in secondary arc rated (AR) and flame resistant (FR) protection, backed by 150 years of Milliken™ innovation. We go further than anyone else to ensure workers are protected, comfortable and able to return home safely each night.

Our Commitment to FR Worker Safety

At the heart of our commitment is engineering: scientific expertise and advanced, custom-made equipment that guarantees flame resistance for the life of the garment. Our fabrics don't just meet standards — they are market proven, with tens of millions of yards out in the field. Being all in is also about driving innovation — integrating safety and comfort in ways that were once considered impossible. Through our extensive educational outreach, we have helped millions of workers better understand arc flash, flash fire and other thermal hazards. That's what being all in is about: innovation, exceptional engineering and education.



Science is the Key to FR Fabric Technology

There is a great deal of science that goes into making any type of FR fabric. The truth is that manufacturing FR fabrics is complicated, and the fabric is the key part of the garment's AR/FR protection. Make sure that the FR fabric in your garment is manufactured by a credible supplier you trust - your safety depends on it.



At Westex™, we offer an extensive portfolio of AR/FR fabrics that include various types of fibers, yarns and FR technologies. We guarantee all of our product lines to be flame resistant for the life of the garment. Our team of engineers uses state-of-the-art equipment, advanced proprietary processes and patented technologies to deliver the best possible AR/FR fabrics in the marketplace. We are an industry leader, with our fabrics worn by thousands of workers worldwide, backed by 150 years of Milliken™ innovation.

02 The World of Westex™ FR Fabrics

Product Portfolio

Aramid

 **WESTEX™**
Synergy™ Pro
powered by TEJIN

 **WESTEX™**
Synergy™

 **WESTEX™**
CXP™

Blends

 **WESTEX™**
DH

 **WESTEX™**
DH Air™

Specialty

 **WESTEX™**
Vinex™

 **WESTEX™**
AllOut™

 **WESTEX™**
InsulAir™

Cotton & Cotton Rich

 **WESTEX™**
UltraSoft™

 **WESTEX™**
UltraSoft™ Flex

 **WESTEX™**
Indigo™

 **WESTEX™**
UltraSoft™ AC

 **WESTEX™**
TrueComfort™

 **WESTEX™**
Indura™



**Guaranteed Flame Resistant
for the Life of the Garment.**



Aramid





Excellent Flash Fire protection with superior comfort and wearability
Aramid fabric with inherent FR protection

 **EN ISO 11611 and EN ISO 11612 certified**

 **Certified to NFPA 2112**
Body Burn: 15.8% - 25.4%

 **Unmatched softness**

 **Six times better wicking capability than other leading FR fabrics for enhanced comfort and safety**

| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating  | NFPA 2112 Certified  |
|-------|------------------------------|-------------|--|-------------------------------|--|---|
| 7246 | 160 | Plain Weave | 93% Teijinconex® Neo, 5% Twaron, 2% Antistat | Shirts, Lightweight Coveralls | 5.5 ATPV | Yes |
| 7266 | 200 | Plain Weave | 93% Teijinconex® Neo, 5% Twaron, 2% Antistat | Pants, Coveralls, Jacket | 7.1 ATPV | Yes |

NFPA 70E
PPE Categories

Category 1

Category 2

Category 3

Category 4



Arc Flash



Flash Fire



WESTEX
A MILLIKEN BRAND



02 / WESTEX FR FABRICS

WESTEX
Synergy™

Made with 93% meta-aramid, 5% para-aramid and 2% antistatic fiber, Westex Synergy™ is the traditional choice for flash fire protection. Available only in the US.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|-------------|-----------------------------------|-------------------------------|------------|---------------------|
| 6241 | 152 | Plain Weave | 93% Nomex, 5% Kevlar, 2% Antistat | Shirts, Lightweight Coveralls | 5.1 ATPV | Yes |
| 6150 | 170 | Plain Weave | 93% Nomex, 5% Kevlar, 2% Antistat | Shirts, Lightweight Coveralls | 5.2 ATPV | Yes |
| 6261 | 202 | Plain Weave | 93% Nomex, 5% Kevlar, 2% Antistat | Pants, Coveralls, Jacket | 6.0 ATPV | Yes |
| 6460 | 220 | 2x1 Twill | 93% Nomex, 5% Kevlar, 2% Antistat | Pants, Coveralls, Jacket | 6.8 ATPV | Yes |
| 6170 | 254 | Plain Weave | 93% Nomex, 5% Kevlar, 2% Antistat | Shell, Pants, Jacket | 7.0 ATPV | Yes |

WESTEX
CXP™

Westex ShieldCXP™ combines Milliken™'s innovative expertise, state-of-the-art FR protection, and patented softening technology with aramid fibers to provide superior comfort, chemical splash resistance and flame resistance - all in one fabric.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|---------------------------------------|------------------|----------------------------------|------------|---------------------|
| 6001 | 152 | Plain Weave with Softouch Technology™ | 100% Nomex® IIIA | Shirts, Lightweight Coveralls | 5.6 ATPV | Yes |
| 6000 | 202 | Plain Weave with Softouch Technology™ | 100% Nomex® IIIA | Shirts, Pants, Coveralls, Jacket | 7.2 ATPV | Yes |

Blends



Inherent fabric blend with ultimate protection and maximum comfort

Uniquely engineered FR fibre blend with Westex guarantee



PPE 2 rating for excellent Arc Flash protection



Dual Hazard protection - for Arc Flash and Flash Fire, NFPA 2112 certified and NFPA 70E PPE 2 rating

Body Burn: 11.2% - 18.3%



Excellent breathability and outstanding moisture management to keep you cooler, drier and more comfortable

Helps prevent heat stress.



Virtually no pilling



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|---------------|---------------------------------|------------------------|--|-----------------------------------|------------|---------------------|
| 0680/ 0681 | 152 | Jersey Knit Base Layer | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Base Layer Shirt | 4.7 ATPV | Yes |
| 6800 | 186 | 2x1 Twill | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Lightweight Shirts, Vests | 6.6 ATPV | Yes |
| 6820/ 6830 | 220 | 2x1 Twill | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Lightweight Shirts, Coveralls | 8.9 ATPV | Yes |
| 6860/ 6870 | 254 | 2x1 Twill | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Shirts, Pants, Coveralls, Jackets | 8.8 ATPV | Yes |
| 6920 | 271 | 2x2 Canvas | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Pants, Coveralls, Jackets | 11.0 ATPV | Yes |
| 6890 | 288 | 2x1 Twill | 48% Lenzing™ Lyocell, 40% Modacrylic, 12% Aramid | Pants, Coveralls, Jackets | 8.8 ATPV | Yes |
| 6961 | 220 | 2x1 Twill | 48% Lenzing™ Lyocell, 39% Modacrylic, 12% Aramid, 1% Anti-Stat | Shirts, Coveralls | 8.9 ATPV | Yes |



WESTEX
DH Air™

Our new, patent pending, WestexDH Air™ brings all of the great characteristics you've come to love from Westex™ DH, to a lightweight, Cat 2 fabric.

| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|-------------|--|---|------------|---------------------|
| 8811 | 186 | 2x1 Twill | 47% Lenzing™ Lyocell, 38% Modacrylic, 15% Aramid | Lightweight Shirts, Lightweight Coveralls | 9.1 ATPV | Yes |

NFPA 70E
PPE Categories

- Category 1
- Category 2
- Category 3
- Category 4



Speciality



With a unique ability to shed molten metal aluminum, Westex Vinex™ continues to set the standard as the benchmark fabric in today's aluminum industry. Westex Vinex™ fabrics have been successfully incorporated into protective clothing programs at major aluminum companies worldwide for nearly three decades. Westex Vinex™ provides better wearer comfort than other competitive wool brands.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|-------------|--------------------------|------------------------------|------------|---------------------|
| 1201 | 203 | Plain Weave | 85% Vinal, 15% Polynosic | Shirts | 5.6 ATPV | No |
| 1200 | 288 | 3x1 Twill | 85% Vinal, 15% Polynosic | Jackets, Pants, Shirts | 8.1 ATPV | No |
| 6261 | 390 | Plain Weave | 85% Vinal, 15% Polynosic | Heavyweight Jackets, Pants | 10.7 ATPV | No |



Westex AllOut™ fabrics provide durable water repellency and enhanced wind resistance while maintaining good breathability. Westex AllOut™ fabrics eliminate the need for a non-compliant NFPA 2112 vapor barrier. Westex AllOut™ is great on its own or paired with Westex InsulAir™ lining for excellent outdoor protection in extreme weather.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|--|-------------------------------------|----------------------------------|------------|---------------------|
| 6159 | 223 | Aramid Water & Wind Resistant | 100% Nomex® IIIA | Jackets, Bib Overalls, Outerwear | 7.3 ATPV | Yes |
| 0303 | 288 | 3x1 Lightweight Twill Water & Wind Resistant | 88% Cotton, 12% High Tenacity Nylon | Jackets, Bib Overalls, Outerwear | 12.0 ATPV | Yes |
| 9963 | 407 | Duck Water & Wind Resistant | 88% Cotton, 12% High Tenacity Nylon | Jackets, Bib Overalls, Outerwear | 20.0 ATPV | Yes |

NFPA 70E
PPE Categories

Category 1

Category 2

Category 3

Category 4



Arc Flash



Flash Fire

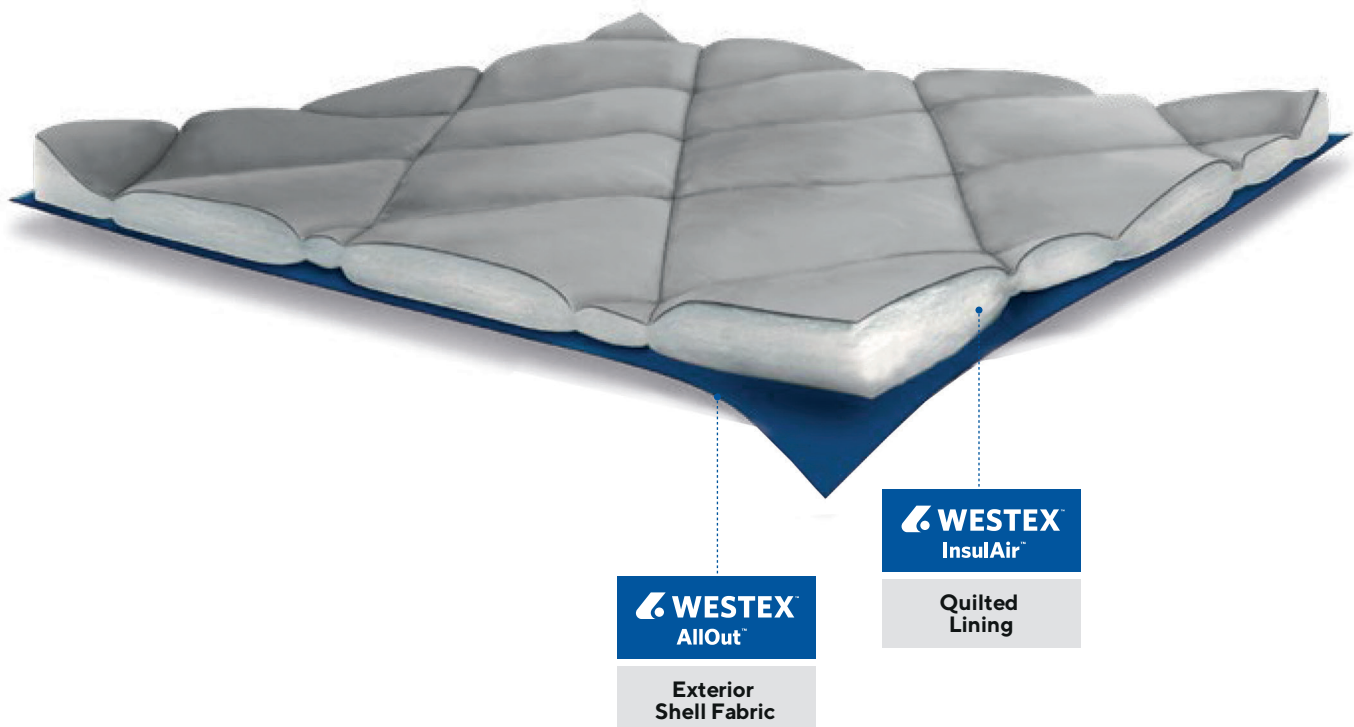
WESTEX
InsulAir™

A new line of quilted products made with silica rayon and poly high loft. Westex InsulAir™ offers excellent protection in cold outdoor environments at a great value.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|-----------------------------|---|--|------------|---------------------|
| 5400 | 339 | Cold Weather Quilted Lining | Face Cloth: Indura® 100% Cotton; Batting: 80% Silica Rayon, 20% Polyester | Outwear, Insulated Jackets, Insulated Bib Overalls | 46.0 ATPV* | Yes |
| 5401 | 458 | Cold Weather Quilted Lining | Face Cloth: Indura® 100% Cotton; Batting: 80% Silica Rayon, 20% Polyester | Outwear, Insulated Jackets, Insulated Bib Overalls | 69.0 ATPV* | Yes |
| 5403 | 520 | Cold Weather Quilted Lining | Face Cloth: Indura® 100% Cotton; Batting: 80% Silica Rayon, 20% Polyester | Outwear, Insulated Jackets, Insulated Bib Overalls | 73.0 ATPV* | Yes |

* Arc Rating is achieved when layered with Westex AllOut® style 0303



Cotton & Cotton Rich



**One-of-a-kind engineered cotton rich
FR fabric with guaranteed protection**
Most comfortable engineered FR fabric



PPE 2 rating for excellent Arc Flash protection



NFA 2112 Flash Fire Test certified

Body Burn: 21.9%



Guaranteed FR for the life of the garment



Good value for money



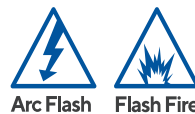
| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFA 2112 Certified |
|-------|------------------------------|--------------------|---|---|------------|--------------------|
| 0341 | 220 | 2x1 Twill | 88% Cotton, 12% High Tenacity Nylon | Shirts | 6.1 ATPV | No |
| 0130 | 220 | Interlock Knit | 88% Cotton, 12% High Tenacity Nylon | T-Shirts, Henleys, Polos | 10.9 ATPV | No |
| 0131 | 226 | Rib Knit | 86% Cotton, 12% High Tenacity Nylon, 2% Spandex | Cuffs, Colars, Balaclavas | 12.1 ATPV | No |
| 5568 | 220 | 4x1 Twill | 88% Cotton, 12% High Tenacity Nylon | Shirts | 9.5 ATPV | Yes |
| 0301 | 260 | 3x1 Twill | 88% Cotton, 12% High Tenacity Nylon | Shirts, Lightweight Coveralls | 8.7 ATPV | Yes |
| 5572 | 260 | 3x1 Twill High-Vis | 88% Cotton, 12% High Tenacity Nylon | Shirts, Lightweight Coveralls | 9.2 ATPV | Yes |
| 0871 | 305 | Canvas | 88% Cotton, 12% High Tenacity Nylon | Pants, Coveralls, Jackets | 12.0 ATPV | Yes |
| 0451 | 330 | 3x1 Rugged Twill | 88% Cotton, 12% High Tenacity Nylon | Pants, Coveralls, Jackets, Bib Overalls | 12.4 ATPV | Yes |



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|--------------------|---|---|------------|---------------------|
| 0851 | 350 | Sateen | 88% Cotton, 12% High Tenacity Nylon | Pants, Arc Flash Suits (0851 over 0851 = 54 ATPV) | 13.5 ATPV | Yes |
| 0181 | 373 | Rib Knit | 86% Cotton, 12% High Tenacity Nylon, 2% Spandex | Cuffs, Collars, Balaclavas | 24.7 ATPV | Yes |
| 0180 | 390 | Fleece | 88% Cotton, 12% High Tenacity Nylon | Sweatshirts, Hoodies | 21.8 Ebt | Yes |
| 0961 | 372 | Duck | 88% Cotton, 12% High Tenacity Nylon | Pants, Jackets, Bib Overalls | 12.7 ATPV | Yes |
| 0801 | 430 | Heavyweight Sateen | 88% Cotton, 12% High Tenacity Nylon | Pants, Jackets | 21.0 ATPV | No |
| 0454 | 340 | 3x1 Twill | 87% Cotton, 2% High Tenacity Nylon, 1% Anti-Stat | Pants, Coveralls and Jackets | 14.0 ATPV | Yes |
| 0853 | 340 | 4x1 Sateen | 87% Cotton, 12% High Tenacity Nylon, 1% Anti-stat | Pants, Coveralls and Jackets | 15.0 ATPV | Yes |

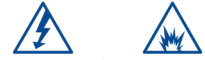
**NFPA70E
PPE Categories**

| | |
|------------|------------|
| Category 1 | Category 3 |
| Category 2 | Category 4 |



WESTEX™
UltraSoft™ AC

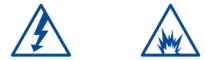
When comfort is the concern, Westex UltraSoft™ AC is the top choice. A higher construction and finer yarns than UltraSoft™ fabric are combined with our proprietary advanced softening technology to make the Westex UltraSoft™ AC fabric the most comfortable fabric on the market.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|---------------------------------|-------------|--|-------------------------------|------------|---------------------|
| 0304 | 254 | Twill | 87% Cotton, 7% High Tenacity Nylon, 5% Polyester, 1% Spandex | Shirts, Lightweight Coveralls | 8.7 ATPV | Yes |

WESTEX™
UltraSoft™ Flex

Westex UltraSoft™ Flex FR fabric is designed to bend with your workers as they move in their jobs – giving them enhanced comfort and greater mobility while they work. Plus, they'll have the excellent softness, shrinkage control and guaranteed flame resistance that's only possible with Westex™ advanced, proprietary engineering process.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|---------------------------------|-------------|---|-------------------------------|------------|---------------------|
| 0901 | 254 | 3x1 Twill | 88% Long-Staple Cotton, 12% High Tenacity Nylon | Shirts, Lightweight Coveralls | 8.3 ATPV | Yes |

WESTEX™
TrueComfort™

Designed with homecare laundering in mind, Westex TrueComfort™ is an exceptionally comfortable multi-hazard fabric. It provides excellent air permeability and increased mobility over other FR fabrics.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|---------------------------------|----------------|-------------------------|------------------------------|------------|---------------------|
| 0152 | 170 | 2x1 Twill | 100% Long Staple Cotton | Shirts | 5.6 ATPV | No |
| 0128 | 217 | Interlock Knit | 100% Cotton | T-Shirts, Henleys, Polos | 8.9. ATPV | Yes |
| 0129 | 226 | Rib Knit | 97% Cotton, 3% Spandex | Cuffs, Colars, Balaclavas | 10.0 ATPV | Yes |

**NFPA 70E
PPE Categories**

| | |
|------------|------------|
| Category 1 | Category 3 |
| Category 2 | Category 4 |

Westex Indura™ was the first cotton fabric engineered to provide guaranteed flame resistance for the life of the garment. First introduced in 1987, Westex Indura™ is still popular today for use in jackets and pants in the metals industry, and in coveralls for budget conscious contractors.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|-----------------------|-------------|-------------------------------|------------|------------------------|
| 0020 | 254 | 3x1 Twill | 100% Cotton | Shirts, Lightweight Coveralls | 8.4 ATPV | Yes |
| 0030 | 254 | 3x1 Twill | 100% Cotton | Shirts, Lightweight Coveralls | 7.7 ATPV | Yes |
| 0085 | 322 | 4x1 Sateen | 100% Cotton | Pants, Jackets, Coveralls | 11.5 ATPV | Yes |
| 0045 | 330 | 3x1 Rugged Twill | 100% Cotton | Pants, Jackets, Coveralls | 10.8 ATPV | Yes |
| 0315 | 457 | USS Whipcord | 100% Cotton | Pants, Jackets | 12.9 ATPV | No |
| 0037 | 244 | Plain Weave Pocketing | 100% Cotton | Pocketing | N/A | Certified as Pocketing |

02 / WESTEX FR FABRICS

Westex Indigo™ is a superior line of FR denim fabrics that combines the look of everyday jeans wear with protective, comfortable and reliable industrial workwear.



| Style | Spec Weight g/m ² | Description | Content | Typical Garment Applications | Arc Rating | NFPA 2112 Certified |
|-------|------------------------------|--------------------------------|--------------------------------------|------------------------------|------------|---------------------|
| 0319 | 420 | 2x1 Twill Denim | 100% Cotton | Jeans | 17.0 ATPV | Yes |
| 0320 | 406 | 3x1 Twill Stretch Denim | 93% Cotton, 6% Polyester, 1% Spandex | Jeans | 17.0 ATPV | Yes |
| 0310 | 406 | 3x1 Twill Denim Top Dye Sulfur | 100% Cotton | Jeans | 19.0 ATPV | Yes |
| 0312 | 424 | 3x1 Twill Stretch Denim | 99% Cotton, 1 Spandex | Jeans | 17.0 ATPV | Yes |
| 0313 | 458 | 3x1 Twill Denim | 100% Cotton | Jeans | 19.0 ATPV | Yes |
| 0308 | 492 | 3x1 Twill Denim | 100% Cotton | Jeans | 22.0 ATPV | Yes |



02 The World of Westex™ FR Fabrics

Color Portfolio

White

Black

Yellow

Orange

Red

Blue

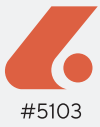
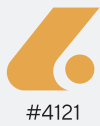
Green

Grey

Brown

The colors displayed in this brochure are digital images and therefore are not exact representations of each color. Color availability varies by product line and style number. Please contact Westex™ for more information or a sample swatch.

**WESTEX™
Aramid**



**WESTEX™
Cotton &
Cotton Rich**








**WESTEX™
Blends**



03 Summary

Westex™ offers an extensive and robust portfolio of AR/FR fabrics that include various types of fibers, yarns and FR technologies.

We guarantee all of our product lines to be flame resistant for the life of the garment. Our team of engineers uses state-of-the-art equipment, advance proprietary processes and patented technologies to deliver the best possible AR/FR fabrics in the marketplace – many are certified to both NFPA and EN standards.

-  **Minimum body burn**
-  **Excellent durability and shrinkage control**
-  **Superior softness to optimize comfort**
-  **Proven Protection**
History of performance (75+ years)
-  **FR Performance**
Life of the garment guaranteed!



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