



Our Commitment to FR Worker Safety.

At Westex®, we're trusted textile pioneers who create advanced flame-resistant and arc-rated (FR/AR) fabrics that keep hardworking men and women safer, more comfortable and confident in dangerous, demanding jobs around the world.

Market proven, with tens of millions of yards out in the field, our fabrics don't just meet standards—they integrate safety and comfort to deliver the most wearable PPE possible. Our efforts don't stop with engineering and innovation. Through extensive educational outreach, we've helped workers better understand electric arc flash, flash fire and other thermal hazards. We work tirelessly to solve real-world problems that make the industries we serve safer and smarter.

For more information, visit westex.com/fabrics

Westex Protection Delivers on the Flash Fire Standard.

THE NEED

In oil, gas, chemical and petrochemical industries, the threat of flash fire exposures has necessitated the use of flame-resistant clothing. Flame-resistant clothing will minimize burn injury and provide the worker a few seconds of escape time. Non-FR clothing can ignite in a flash fire exposure, providing an additional fuel source and dramatically increasing the burn injury percentage and severity well beyond that of the initial exposure.

THE STANDARDS

The National Fire Protection Association (NFPA) developed NFPA® 2112 as the industry standard for flame-resistant garments designed to protect against flash fire. The official title for NFPA® 2112 was recently updated to "Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short Duration Thermal Exposures from Fire." The Canadian General Standards Board (CGSB) has also developed the CAN/CGSB 155.20 standard to protect against hydrocarbon flash fire and optionally steam and hot fluids.

THE SOLUTION

When evaluating fabrics for an FR clothing program to comply with NFPA® 2112 or CAN/CGSB 155.20, Westex offers a range of industry-leading fabrics that maximize both protection and comfort. With our proprietary, market-proven technology, you can have flame resistance that is guaranteed for the life of the garment without sacrificing soft, breathable comfort.

The NFPA® 2112 flash fire standard requires that all mannequin testing be conducted at three seconds. The CGSB certification states the minimum requirements and test methods for performance of protective workwear worn for protection against unplanned exposure to hydrocarbon flash fire and optionally steam and hot fluids. Each of these Westex fabrics in our flash fire portfolio meets the requirements of NFPA® 2112 or CAN/CGSB 155.20, and more importantly, provides superior flash fire protection when compared to other industry-leading FR fabrics. Around the globe, companies are making Westex fabrics their choice for flash fire protection because they provide an uncompromising blend of protection, comfort and value.

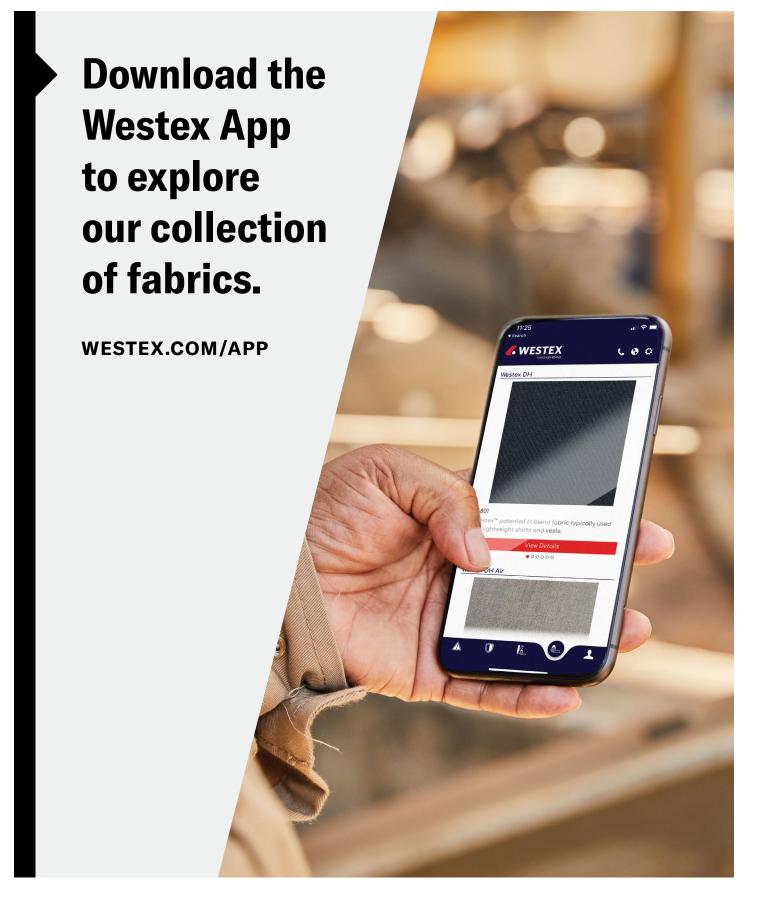
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Science is the Key to FR Fabric Technology.

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 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 FR/AR 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 FR/AR 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.



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Flash Fire Product Portfolio

Whether seeking the breathability of Westex® DH, strengthened with aramid, or the comfort of UltraSoft AC®, every product within our vast flash fire fabric portfolio is designed with unique features to keep hardworking men and women comfortable and protected on the job.

TABLE KEY

Laundry Compatibility

- Industrial Laundry
- Lite Industrial Laundry
- Home Laundry

BLENDS



Offering superior next-to-skin moisture management, Polartec® Power Dry® FR uses a patented tri-blend knit to deliver mechanical wicking action and high breathability for fast drying times and ultra-comfortable performance.

Polartec® Power Dry® FR Fabrics										
STYLE	DESCRIPTION	CONTENT	NFPA 70E PPE CATEGORY	NFPA 2112 CERTIFIED	EN ISO 11612:2015		CUTTABLE WIDTH	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
2009/ 2009HV	6.4 oz Pique Knit CSA Z96 + ANSI 107	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacrylic, Aramid	Cat 2	Yes	A1, B1, C1	Class 1	54 in	6.4 (217)		Knit Shirts

POWER GRID™ FR

Utilizing Polartec's famous grid construction, Polartec® Power Grid™ FR is a jersey knit that provides superior warmth without weight, minimal bulk and the combined ability to both trap warm air and quickly release excess heat during high exertion.

Polar	Polartec® Power Grid™ FR Fabrics									
STYLE	DESCRIPTION	CONTENT	NFPA 70E PPE CATEGORY	NFPA 2112 CERTIFIED	EN ISO 11612:2015	IEC 61482-2	CUTTABLE WIDTH	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
2309/ 2309HV	9.6 oz Jersey Knit, Grid Velour CSA Z96 + ANSI 107	TENCEL [™] Lyocell, Modacrylic, Aramid, Spandex	Cat 2	Yes	A1, B1, C2	Class 1	58 in	9.6 (325)	(L)	Lightweight Jackets, Balaclavas



A new standard in soft, weather-resistant FR fabric, Polartec® Wind Pro® FR is four times more wind resistant than classic fleece to reduce wind chill and repel moisture, while maintaining breathability and comfort.

Polar	Polartec® Wind Pro® FR Fabrics									
STYLE	DESCRIPTION	CONTENT	NFPA 70E PPE CATEGORY	NFPA 2112 CERTIFIED	CUTTABLE WIDTH	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS		
2510/ 2510HV	11.6 oz Jersey/Velour CSA Z96 + ANSI 107	TENCEL™ Lyocell, Modacrylic, Aramid, Spandex	Cat 2	Yes	58 in	11.6 (393)	(1)	Jackets		





A popular choice for protection and performance, Westex® DH provides outstanding breathability and moisture management to keep the wearer cooler, drier and more comfortable. DH also retains an excellent after-wash appearance, with a low propensity for pilling.

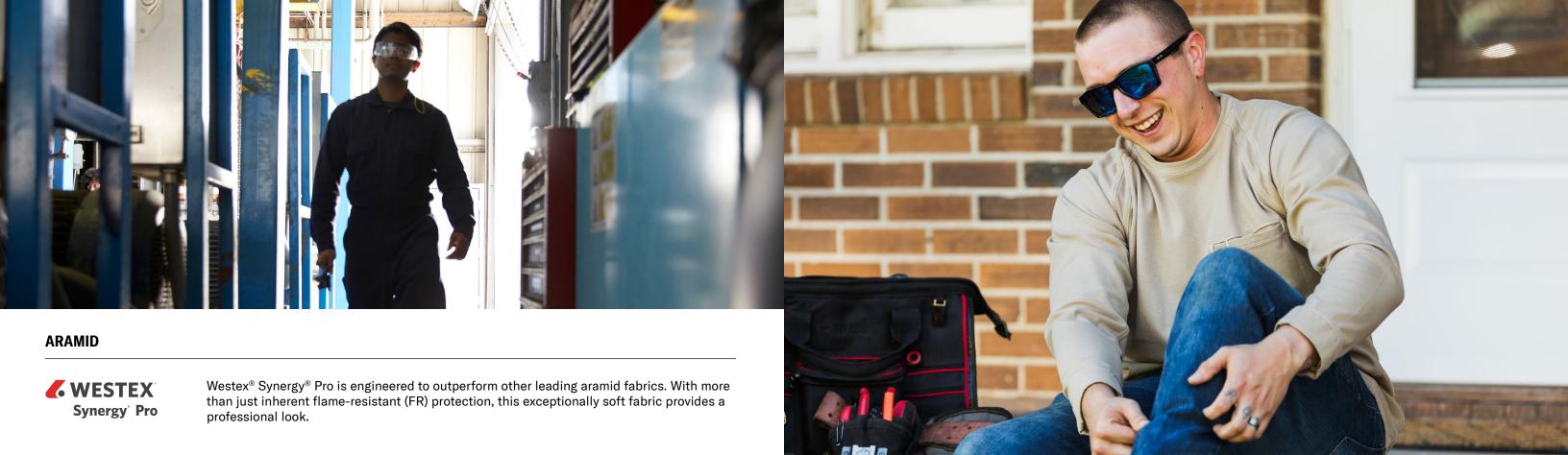
Westex® DH Fabrics							
BASE STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
6960	6.5 oz 2x1 Twill ISO 20471	TENCEL™ Lyocell, Modacrylic, Aramid, Anti-Static	Yes	Yes	6.5 (220)	O	Lightweight Shirts, Coveralls
6820/ 8830	6.5 oz 2x1 Twill ANSI 107	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacrylic, Aramid	Yes	Yes	6.5 (220)	1	Lightweight Shirts, Coveralls
6860/ 8870	7.5 oz 2x1 Twill ANSI 107	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacrylic, Aramid	Yes	Yes	7.5 (254)	O	Shirts, Pants, Coveralls, Jackets
6850/ 8860	7.5 oz Ripstop Twill	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacrylic, Aramid	Yes	Yes	7.5 (254)	1	Pants, Coveralls, Jackets
8920	8.0 oz 2x2 Canvas	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacrylic, Aramid	Yes	Yes	8.0 (271)	O	Pants, Coveralls, Jackets



Westex® DH Air™ brings all the superior characteristics you've come to love from Westex® DH to a lightweight fabric. DH Air™ provides outstanding breathability and moisture management, while maintaining color consistency for the wearer.

Westex [®] DH Air [™] Fabrics									
STYLE	DESCRIPTION	CONTENT	NFPA 70E PPE CATEGORY	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS	
8811	5.5 oz 2x1 Twill	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacryllic, Aramid	Cat 2	Yes	Yes	5.5 (186)	1	Lightweight Shirts, Lightweight Coveralls	
6940	5.7 oz 4x1 Sateen	Patented Westex Tri-Blend TENCEL™ Lyocell, Modacryllic, Aramid	Cat 2	Yes	Yes	5.7 (196)	1	Lightweight Shirts, Lightweight Coveralls	

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Westex®	Westex® Synergy® Pro Fabrics							
STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS	
7346	4.5 oz Plain Weave	Teijinconex® Neo, Twaron®, Antistat	Yes	Yes	4.5 (152)	O	Shirts, Lightweight Coveralls	
7366	6.0 oz Plain Weave	Teijinconex® Neo, Twaron®, Antistat	Yes	Yes	6.0 (203)	O	Pants, Coveralls, Jackets	



Westex® Synergy® is made with 100% Nomex® IIIA. Nomex® is an inherent fiber and has been a leader in heat and flame protection for more than 45 years.

Westex® Synergy® Fabrics							
BASE STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
6140	4.5 oz Plain Weave	Nomex® IIIA	Yes	Yes	4.5 (152)	1	Shirts, Lightweight Coveralls
6150	5.0 oz Plain Weave	Nomex® IIIA	Yes	Yes	5.0 (170)	1	Shirts, Lightweight Coveralls
6260	6.0 oz Plain Weave	Nomex® IIIA	Yes	Yes	6.0 (202)		Pants, Coveralls, Jackets
6460	6.5 oz 2x1 Twill	Nomex® IIIA	Yes	Yes	6.5 (220)	1	Pants, Coveralls, Jackets
6170	7.5 oz Plain Weave	Nomex® IIIA	Yes	Yes	7.5 (254)	1	Pants, Jackets

COTTON AND COTTON RICH



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.

Westex	Westex Indigo® Fabrics										
STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS				
0395	10.5 oz 3x1 Twill Stretch Denim	Cotton, Polyester, Spandex	Yes	Yes	10.5 (356)	O	Jeans				
0319	11.75 oz 2x1 Twill Denim	Cotton	Yes	Yes	12.4 (420)	O (Jeans				
0320	11.75 oz 3x1 Twill Stretch Denim	Cotton, Polyester, Spandex	Yes	Yes	12.0 (406)	O	Jeans				
0310	12.0 oz 3x1 Twill Denim Top Dye Sulfur	Cotton	Yes	Yes	12.0 (406)	O (1)	Jeans				
0312	12.5 oz 3x1 Twill Stretch Denim	Cotton, Spandex	Yes	Yes	12.5 (424)	O	Jeans				
0329	13.0 oz 3x1 Twill Stretch Denim	Cotton, Polyester, REPREVE® Polyester, Spandex	Yes	Yes	13.0 (440)	O (1)	Jeans				
0308	14.0 oz 3x1 Twill Denim	Cotton	Yes	Yes	14.5 (492)	1	Jeans				

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Westex® UltraSoft® has a strong reputation for providing an excellent balance of protection, comfort and value. UltraSoft® was first introduced two decades ago and today is specified by name by thousands of end users globally.

Westex®	UltraSoft® Fabrics						
STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
5568	6.5 oz 4x1 Twill ANSI 107	Cotton, High Tenacity Nylon	Yes	Yes	6.5 (220)	(L)	Shirts
0304	7.0 oz Stretch Twill	Cotton, High Tenacity Nylon, Polyester, Spandex	Yes	Yes	7.5 (254)	1	Shirts, Lightweight Coveralls
0301	7.0 oz 3x1 Twill	Cotton, High Tenacity Nylon	Yes	Yes	7.7 (260)	1	Shirts, Lightweight Coveralls
5572	7.7 oz 3x1 Twill High-Vis ANSI 107	Cotton, High Tenacity Nylon	Yes	Yes	7.7 (260)	1	Shirts, Lightweight Coveralls
0871	9.0 oz. Canvas	Cotton, High Tenacity Nylon	Yes	Yes	9.0 (305)	1	Pants, Jackets
0451	9.0 oz 3x1 Rugged Twill	Cotton, High Tenacity Nylon	Yes	Yes	9.7 (330)	1	Pants, Jackets, Coveralls, Bib Overalls
0851	10.0 oz Sateen	Cotton, High Tenacity Nylon	Yes	Yes	10.3 (350)	1	Pants, Arc Flash Suits (0851 over 0851 = 45 ATPV)
0181	10.5 oz Rib Knit	Cotton, High Tenacity Nylon, Spandex	Yes	Yes	11.0 (373)	$lackbox{\textcircled{4}}$	Cuffs, Collars, Balaclavas
0180	11.0 oz Fleece	Cotton, High Tenacity Nylon	Yes	Yes	11.5 (390)	$lackbox{\textcircled{4}}$	Sweatshirts, Hoodies
0961	11.0 oz Duck	Cotton, High Tenacity Nylon	Yes	Yes	11.0 (372)	1	Pants, Jackets, Bib Overalls



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

Westex®	UltraSoft AC® Fabric	s					
STYLE	DESCRIPTION	CONTENT	NFPA® 2112 CERTIFIED	CAN/CGSB 155.20	SPEC WEIGHT oz/yd² (g/m²)	LAUNDRY	TYPICAL GARMENT APPLICATIONS
0901	7.0 oz 3x1 Twill	Long-Staple Cotton, High Tenacity Nylon	Yes	Yes	7.5 (254)	O	Shirts, Lightweight Coveralls

Overview of Standards

At Westex, we are committed to educating on workplace standards. This overview is not intended to replace those standards but rather serve as brief descriptions. We encourage you to view the full standards on the respective organization's website.

CAN/CGSB-155.20 scc.ca

CGSB 155.20, a national standard of Canada, states the minimum requirements and test methods for performance of protective workwear worn for protection against unplanned exposure to hydrocarbon flash fire and optionally steam and hot fluids.

NFPA 2112 nfpa.org/2112

Standard on flame-resistant clothing for protection of industrial personnel against short-duration thermal exposures from fire.

Essential for manufacturers and certifying agencies, this standard protects workers from flash fire exposure and injury by specifying performance requirements and test methods for flame-resistant fabric and garments.

NFPA 2113 nfpa.org/2113

Standard on selection, care, use and maintenance of flame-resistant garments for protection of industrial personnel against short-duration thermal exposures from fire.

Developed primarily for garment end users to reduce health and safety risks associated with incorrect selection, use and maintenance, as well as contamination and damage of flame-resistant garments, this standard specifies selection, care, use and maintenance requirements for such garments that are compliant with NFPA® 2112: Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire.

Frequently Asked Questions

Laundering your FR PPE.

Can I use fabric softener, dryer sheets or in-wash scent boosters?

Do not use starches, fabric softeners, or any other laundry additives. Synthetic, heavy-duty liquid laundry detergents are recommended for washing. These products do a superior job of removing soils and are less likely than soap to form sticky deposits of lime soap curds, which are difficult to rinse out.

Can I wash with my regular non-FR clothes?

FR garments should be sorted and washed separately to ensure that proper care is followed.

Can I use bleach?

In general, chlorine (sodium hypochlorite) bleach is prohibited from use with any FR/AR fabric. Bleaches containing hydrogen peroxide cannot be used with our flame-resistant cotton blends. For further brand-specific care instructions, please see Westex.com for more detailed information.

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