



Widely Used in Power Industry, Oil/Gas Fields, Oil Refineries and more...

- Flame resistance meets ASTM D6414, EN11612, GB 8965.
- Meeting US Workplace Electric Safety standard NFPA 70E HRC2
- Meeting US Industrial Flash Fire protection standard NFPA2112.
- ATPV rated to suit applications for arc protection.
- Blending of inherently FR and patented cellulose fiber.
- High moisture wicking performance for unsurpassed comfort.
- Stand many washes and still keep like-new look.
- Highly heat and abrasion resistant to be very durable.
- Affordable acquisition cost to provide great value

Fabric	Weight	Weave	Application
Tecasafe™ Plus 700	238g/m ² (7.0oz)	Twill	Coverall, Jacket, Trouser
Tecasafe™ Plus 580	195g/m ² (5.8oz)	Twill	Shirt, Coverall (Light Weight)
Tecasafe™ Plus 700-A	238g/m ² (7.0oz)	Twill	Coverall, Jacket, Trouser
Tecasafe™ Plus 850-A	288g/m ² (8.5oz)	Twill	Coverall, Jacket, Trouser



C101E0200



B136E0106



A113A0022



A112A0021



A146F0002



D109E0300



B204E5001

We highly recommend disposing disused garments by recycling. Care for your environment ♻️



Modastatic™ Flame & Antistatic Clothing



Features :

- **Flame Resistance:** Fiber inherently flame resistant does not melt or drip. Flame resistance does not go away with laundering.
- **Static Resistance:** Blended with conductive fiber to offer protection against static hazards. Antistatic nature does not go away with laundering.
- **Comfort:** Blend with natural cotton ,soft and smooth ,with very good moisture permeation and sweat absorption, comfortable to wear.
- **Durability:** Quality cotton is used to increase fabric strength, making it more durable.

Main uses :

- Oil & gas fields, chemical industry, petrochemical industry.
- Power generation ,transmission and distribution ,electric equipment installation and maintenance.
- Electricians and maintenance workers.
- Army & Police uniforms.

Safety Standards :

- GB8965
- EN11612(EN531) EN1149-5
- ASTM D6413
- ASTM F1959
- IEC61482-1
- EN471 , ANSI107
- GB8965

Garment Available :

- **Shirt:**195g/m² woven plain.
- **Jacket:**255g/295g/m² woven twill.
- **Trousers:** 255g/295g/m² woven twill.
- **Coverall:**195,255,295g/m² woven twill.
- **Winter Sweater:**320-360/m² knit fabric with brushed fleece.
- Safety vests and jackets.



A145B0006



A104A0001



A105B0001



A127B0005

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Cotton & Cotton-Polyamide Protective Work Wear









Flame Resistant, Static Resistant
Safety / Comfort / Value



Product Features :

- Treated to be flame resistant. FR performance even after 50 washes still meets GB, US and European standards.
- Conductive yarns woven into the fabric. The antistatic performance will not wash or wear away.
- 100% natural cotton, excellent moisture gaining, comfortable to wear. Some polyamide fiber can be added in to enhance its abrasion resistance and therefore durability.
- Widly used Oil/gas, chemical, petrochemical, electric power, electrician, metallurgical industries.

Fabric Options & Standards Met :

Fabric Weight (g/m ²)	Protective Function Option	Safety Standard	Colours Available
210g Cotton Twill	 	EN11612 / EN1149	<ul style="list-style-type: none"> ● Yellow ● Orange ● Royal ● Navy ● Tan ● Red ● Grey Customer Colours
240g Cotton/Cotton-Polyamide Twill	 	EN11612 / EN1149	
260g Cotton Twill Sateen	   	EN11612 / EN1149 NFPA2112 ASTM F1959/GB8965 GB12014 / GB12769	
360g Cotton Cotton-Polyamide Twill/Sateen	   	EN11612 / EN1149 NFPA2112 ASTM F1959/GB8965 GB12014 / GB12769	
360g Cotton Twill/Sateen	   	EN11612 / EN1149 NFPA2112 ASTM F1959/GB8965 GB12014 / GB12769	



A105A0002



A123A0010



B102A0100



C106A0202



D106A0301



A117A0007



E105A0303

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High Visibility Rain Wear, Flame & Static Resistant Protection/Comfort/All Weather

FR Antistatic Rain Wear

- Not only high visibility water resistant and breathable, but also flame resistant and antistatic.
- Fluoro-color PU laminated, conductive thread evenly woven in to achieve permanent antistatic property. Water resistance to JIS 10000 Pa and moisture permeation to 8000Pa.
- Widely used in oil, gas, electric power industry for outdoor work, police and road work. Optional detachable fleece liner for cold weather.

Meeting standards :

- EN343:2003
- EN1149-3:2004
- EN471
- BS EN ISO 1421:1998
- EN340:2003
- EN533-1:1997
- ISO 4674:1997



B622K0107

E108K0301

3-IN-1 Cross Weather Nylon Jacket

- Extra light weight nylon shell with stretch in two ways.
- Antistatic and easy to clean.
- High level of water resistance and moisture permeation.
- Functional membrane protects against water and wind and keeps the garment breathable.
- FR fleece jacket liner inside to make warm.
- Both outer jacket and inner liner can be worn separately under different weather conditions.



B609K0102

B619K0103

4-IN-1 FRA Weather Jacket

- Consist of four separable components-outer jacket, liner, hood and sleeves.
- The components can be assembled to wearer's discretion to fit weather conditions ranging from 30°C to below zero.
- Durable PU laminated polyester oxford, flame resistant and antistatic to EN533, EN1149-3, Water resistant and breathable to EN343 Class II.
- FR fleece jacket liner inside to keep warm.
- Hi-visibility yellow and orange colours also available.



B125K0101

B714K0106

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Head Protection. Multifunctional Underwear

When protection is common sense, function is decisive.



Head Wear

Made of flame resistant and/or wind-proof and water resistant materials, designed for cold weather and for comfortable fit. Loved by those working outdoors under freezing arctic weather.



J105A0400



J111C0403



J108K0400

Model:

- **J105A0400** FR Winter Hood
- **J108K0400** FR Winter Wind-Proof Balaclava
- **J703D1005** FR Half Face Mask
- **J107A0402** FR Hard Hat Liner
- **J110C0401** FR Hard Hat Liner
- **J111C0403** FR Balaclava



J703D1005



J107A0402



J106A0401

Multi-Functional Polo Shirt, T-Shirt, Underwear

- Inherently flame resistant like Modastatic™, meeting EN ISO11612.
- Antistatic to EN1149-5, preventing electrostatic hazards and skin discomfort, especially in low humidity climate.
- Anti-bacteria finish to ASTM E2149 to control bacteria propagation, keep the wearer in good hygienic condition.
- The special weave pattern enhances moisture permeation, achieving 0.5cc water drop dispersion in 5 seconds.
- UV Protection: Can achieve UPF40, meeting the minimum requirements of UPF20 of AS/NZS4399 after 20 washes.



K101E0500



K103E0502



I101B0500



K102E0501



L102E0505



L101E0504

L103E0503

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Tecron Safety® High Performance Insulation

Thinner, Lighter, Softer, Warmer, More Washable

Tecron's new micro-fiber insulation is specially engineered to have much more interfiber chambers than ordinary fleece to trap more air for better insulation. Compared with many other types of synthetic insulating fleece, it is much **Thinner, Lighter, Softer, Warmer, More Washable**. The new insulation is superior lining material for winter garments. This new insulator provides an efficient and cost-effective solution to protect against extremely low temperature.

Weight available: 50 g/m², 100 g/m², 120 g/m², 150 g/m², 200g/m², 250 g/m².



TEST RESULTS COMPARISON BEFORE WASH

Method: ISO11092:1993

Product	Weight g/m ²	Rct (M ² .K/W)	R-V	Clo	Heat Retaining (%)
Tecron TN 200	200	0.524	2.975	3.38	87.5
One Well-Know Brand G200	200	0.512	2.907	3.3	85.4

TEST RESULTS COMPARISON AFTER 5 WASHES

Method: ISO11092:1993/ISO6330:2000

Product	Weight g/m ²	Rct (M ² .K/W)	R-V	Clo	Heat Retaining (%)
Tecron TN 200	200	0.309	1.75	1.99	79.8
One Well-Know Brand G200	200	0.285	1.62	1.84	81.1

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VizArc™ - A Solution to Arc Heat, Flame and Water Penetration



Arc Protective Rain Wear

- PVC coated aramid material, fire retardant, offering protection against electric arc exposure, water and rain. Fluorescent colors to enhance wearer visibility.
- Designed according to NFPA 70E for electrical safety in the work places. Tight garment closures to prevent water penetration with air vent to dissipate body heat and sultriness.
- Suitable for location and jobs which require protection against arc heat, flame and water such as electric power industry, oil fields, mines and military operation.

Summary of Tested Performance

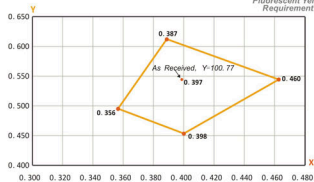
Flame Resistance	GB 8965, ASTM D6413, EN533	Pass
Arc Protection	ATPV ASTM F1891/F1959	11.9 Cal/m ²
Bursting Heat	EBTAS ASTM F1891/F1959 HAF	35 Cal/m ²
Heat Attenuation Factor	HAF ASTM F1891/F1959	80.3%
High Visibility	ANSI 107	Pass
High Visibility	EN 471	Pass
Surface Pilling Resistance	Laundered 10 cycles at 60°C	No Pilling Detcted



Hingh Visibility Performance

Vartest
Laboratories

Chromaticity Coordinates
TECRON A.081409B
Fluorescent Yellow-Green
Requirement: Y > 76



B150K0600 E150K0601

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Multi-A™ Aramid Protective Clothing



Features :

- Flame Resistance: Inherent property, does not wash or wear away, superior resistance to industrial flash fire.
- Heat Resistance: Higher than natural fibers and most synthetic fibers, fabric strength is very stable even exposed up to 300 °C heat .
- Static Resistance: Conducted fibre to achieve lasting anti-static nature.
- Durability: High physical strength, durable a long service life. Garment double or tripled stitched with aramid thread has extremely strong seams.
- Functionality: Meta aramid and para aramid have different nature. Different combination of the fibers offer different functional options to play various protective roles.

Combination A: 93% Meta Aramid,5% Para Aramid,2% Antastatic carbon.Soft and comfortable,easy to make colours.

Combination B: 75% Meta Aramid,23% Para Aramid ,2% Antistatic carbon. Stronger and higher heat resistance than Combination A.

Main Uses :

- Industrial protective work wear for oil/gas fields,oil refineries.Military and police uniforms.Electric power industry.
- Structural firefighting ,wildland and forest fire fighting.
- Car or motorbike racing,air crew uniforms,space travel,airfield ground crew
- Chemical plants,laboratories.



A130C0005



A128E0001



A131C0006



A147E0002



B111C0100



C109B0201

Safety Standards :

- EN11612
- NPFA2112
- NFPA1971
- NFPA1977
- GB8965

Garment Available :

- Coverall, flight suit.
- Work jacket, shirt, trousers, lab coat.
- Insulated winter coverall, parka and bib overall.

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ARC Flash Protection



Features :

- Arc flash might occur during high energy power line switching, short circuiting and repairing. Operatives might get struck and burned from high temperature resulting from Arc flash.
- The intense energy and very short duration arc flash represents a unique safety hazard. According to OSHA requirement , PPE are classified to 4 categories in relation to ATPV rating. Different category of protective garments needs different material and construction.
- Main use: Switch pulling ,electric generation and transmission, high voltage power line repair and maintenance.



Category 1 PPE : ATPV ≥ 4 Cal/cm²

Category 2 PPE : ATPV ≥ 8 Cal/cm²

Category 3 PPE : ATPV ≥ 25 Cal/cm²

Category 4 PPE : ATPV ≥ 40 Cal/cm²

CPA Arc Flash Suit

- Made of special materials in USA, CPA arc flash suits offer protection to electric arc and flame hazards. According to arc flash heat rating ,the suits are built to categories from 2 to 4,meeting NFPA 70E and ASTM F1506 and OSHA 29 CFR 1910-269



HAFS-880

Cramemr Code	PROTECTION CATEGORY	MAXIMUM ATPVRATING (CAL/CM ²)
HAFS-880-2-12	2	≤ 12
HAFS-880-2-20	2	≤ 20
HAFS-880-3-36	3	≤ 36
HAFS-880-4-40	4	≤ 40
HAFS-880-4-51	4	≤ 51
HAFS-880-4-74	4	≤ 74



B222E4001

D223E4002



SS001

Chinese Standard Arc Flash Suit

- Meeting Chinese standard DL/T320-2010.
- Garment features: Inherently flame resistant, comfortable to wear, and of great value.
- Main uses: Protective wear for people working in electric generation, transmission, transforming, distribution and repairing.

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Demron™ Radiation Shielding Garment



Features :

Made of well-know US nanotechnology engineered material, tested for nuclear decay by the US Department of Energy and several university radiation labs , proven to provide effective shielding against various forms of ionizing radiation rays. The material also provides protection against chemical vapors dissipates body heat, non-toxic to human body, lighter than lead garment, soft in texture and comfortable.

What radiation does Demron™ shield?

- ✓ x Radiation
- ✓ High Energy β Radiation
- ✓ α Radiation
- ✓ Low Energy γ Radiation

Demron™ Vest RSIR-931

- Protection of the upper torso
- Weight 1.5kgs.



RSIR-931

Demron™ Full Body Suit RSIR-930

- Full body protection, come with respiratory mask, glove, booties, anti-radiation sealtape and carry bag. Total weight 3.5kgs.

Where are they used ?

- EMERGENCY RESPONSE:** Help emergency teams to respond to road accidents involving radioactive materials, terrorist attacks involving radioactive devices, or nuclear weapons.
- INDUSTRY:** Most products for industrial & medical uses do not protect against ionizing radiation. Demron™ effectively reduce the overall occupational dose of some radiations.
- MILITARY:** Most military garments do not protect against penetrating ionizing radiation. Demron™ can be worn alone, or in conjunction with other clothing to protect soldiers in specific radiological combat context.
- CIVILIANS:** Provide civilians with an effective form of protection to evacuate from a radiological emergency.



RSIR-930

Demron™ Physical and Chemical Penetration Performance

PERFORMANCE PROPERTY	INDUSTRY TEST*	MEASUREMENT FOR CHEMICAL	NFPA 1994 REQUIREMENT	DEMRON™ RESULT
Tensile Strength	ASTM D 5034 (grab method)	Force to break material	Not Required	Warp 72kgs Weft 43kgs
Tear Strength	ASTM D 5587 (trapezoid method)	Force to break material	Not Required	Warp 18.6kgs Weft 9.8kgs
Burst Strength	ASTM D 3787 (ball/ring method)	Force to break material	20.4kgs	67.6kgs
Chemical Permeation Resistance	ASTM F 739 (continuous contact)	Cumulative permeation over 1 hour Soman (GD) Mustard (HD) Acrolin Acrylonitrile Ammonia gas Chlorine gas Dimethyl sulfate	<1.25ug/cm ² <4.0ug/cm ² <6.0ug/cm ² <6.0ug/cm ² <6.0ug/cm ² <6.0ug/cm ² <6.0ug/cm ²	0.00446ug/cm ² 1.4788ug/cm ² one detected None detected None detected 0.00447ug/cm ² 0.46232ug/cm ²
Heat Dissipation	Average Chemical Suit 120(W/m ²)	DEMRON™ Suit 183.5/(W/m ²)	This value represents greater heat transfer for the user which results in cooler core temperature.	

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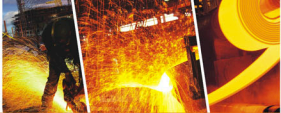
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Oasis™ Molten Metal Protective Clothing

Comfortable Protection Against Molten Metal Splash



Oasis™ Shirt

- 50% Lenzing, 40% Wool, 10% Nylon.
- Permanently flame resistant, does not wash or wear away, durable.
- Fabric : 7.5oz cold/chambray blue.
- Two chest pockets, button front, Reflective tape can be added to sleeves and back.
- Best to wear a cotton t shirt underneath to enhance comfort.
- Widely used in steel and aluminum making and smelting industry.

Oasis™ Trouser

- 50% Lenzing, 40% Wool, 10% Nylon.
- Permanently flame resistant, does not wash or wear away, durable.
- Fabric: 10.0oz or 12.0oz, navy blue.
- Lined with flame resistant cotton to add comfort and safety.
- Strong seams built for durability.
- Widely used in steel and aluminum metal making and smelting industry.

Oasis™ Jacket/Overcoat

- 50% Lenzing, 40% Wool, 10% Nylon
- Permanently flame resistant, does not wash or wear away, durable
- Fabric option: 10.0oz/12.0oz, navy blue
- Upright collar with neck strap, button front, big pockets. Reflective tape can be added to sleeves and back.
- Flame resistant lining can be added if required to add comfort and protection.
- Widely used in steel and aluminum making and smelting.



C112E0201 B204E5003



D206E5002



D106A0301 B116A0103



B135E0105

Cotton Splash Work Suit

- Flame resistant cotton sateen, 320g/m2, 99% cotton and 1% carbon for static resistant.
- Jacket and trouser, strong seams double stitched.
- Upright collar and pocket flaps closed with FR velcro to better prevent metal splash.
- Concealed zipper in front, adjustable sleeve cuffs.
- Big pockets for ample carry capacity.
- Elbow and knee areas reinforced.
- Stress points bartacked.
- Meeting EN11612, EN11611, EN1149-5, EN61482-1-2

Oasis™ Protective Performance

Protection	Oasis 7.5oz	Oasis 10oz	Oasis 12oz
Flame Resistance ASTM D6413-99 Char Length (inches[warp x fill]) After Flame (seconds[warp x fill])	< 5.0 < 2.0	< 5.0 < 2.0	< 5.0 < 2.0
Flame Spread EN 532:1992	A	A	A
Radiant Heat EN 366:1993	C1	C1	C1
Convective Heat EN 367:1992	B2	B2	B2
Molten Metal Splash Resistance EN 373			
Molten Al Splash	D1	D2	D2
Molten Fe Splash	E2	E3	E3

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