



Arvind

Human Protection

**WE ARE ONE,
YET WE ARE MANY**



Arvind Limited

Pioneers of denim in India, Arvind began its journey in 1931. It was in response to Mahatma Gandhi's call for Swadeshi movement during the struggle for Indian Independence, when the Lalbhai family founded Arvind Mills, creating capacity to compete with the world's finest textile mills.

We started our journey of developing a powerful portfolio of domestic and international brands in the early 1990s and have certainly come a long way since. It is now a design powerhouse implementing innovative concepts and generating intellectual property.

Today, Arvind stands tall as a \$1.5 billion textile to retail conglomerate with 28,000+ employees focusing on textiles, apparels, advanced materials, environmental solutions, telecom and Omni-channel commerce. Company is headquartered in Ahmedabad, Gujarat (India) and ranks amongst the top suppliers of fabric and garments worldwide. With an annual production capacity of more than 100 million meters in denim and 140 million meters in woven fabric, the company supplies fabric to many leading brands, both in India and across the world. Arvind is also the garment maker of choice to many leading brands across the globe with manufacturing capacity of more than 56 million pieces annually. The company owns and/or manages iconic global brands in India, such as Tommy Hilfiger, Calvin Klein, U.S. Polo Assn., Arrow, Flying Machine and Sephora; each distinct and relevant across multiple channels, price points and consumer segments.

The company strives every day to create opportunities beyond conventional boundaries and believes that the possibilities are endless.

TODAY

We are a fashion powerhouse that is also building new age homes;

We are a global leader in apparel manufacturing that is also transforming water management;

A denim pioneer that is a trailblazer in advanced materials;

A wearable technology manufacturer that is also delivering state-of-the-art engineering solutions.

USING MATERIAL SCIENCE TO POWER AMBITIONS SUSTAINABLY



Arvind Advanced Materials

Textile is a versatile structure which is applied to more than just apparels. Advanced Materials is our endeavour to branch into other areas of material science which uses textiles as a backbone. At Advanced Materials, we believe material science is an important catalyst for the country's growth & development. We focus on new fibres, technologies, and products to solve problems of infrastructure, health care, energy, aviation, and industrial applications.

Furthermore, Arvind contributes to India's development by manufacturing unique advanced materials — from creating fabrics and garments to protect firefighters and soldiers; to building extra-efficient industrial fabrics that help boost performances within industries. Arvind also diversifies into strengthening the nation's infrastructure through composite building materials and solutions and provides the world's most cost-effective environmental solutions to protect and preserve our scarce natural resource, water, under Arvind Envisol.

OUR BUSINESSES

HUMAN PROTECTION

Our Human Protection business manufactures a range of specialized clothing and accessories that protect our factory workers, fire-fighters, construction crew, soldiers, healthcare and security personnel from the harsh operating environments that their jobs entail.

COMPOSITES

Our innovations in the Building and Construction sector focuses on using newer materials such as composites and coated fabrics to provide solutions that are longer lasting, lighter weight, quick to implement and need less on-site labour.

AUTOMOTIVE AND MASS TRANSPORT

Our in-house design and development and a wide product range includes interiors and seating solutions.

FILTRATION

Our material handling solutions ease in-plant movement, baggage handling and other industrial applications. We also offer turnkey solutions that help minimize the environmental impact from industrial development through a range of hot-gas and liquid filtration products.

WE ENGINEER YOUR SAFETY



Arvind Human Protection

Building on Arvind's legacy of craftsmanship, innovation and fashion leadership, Arvind Human Protection business was launched in 2008, offering reliable flame retardant fabrics.

Catalysed by over 100 years of textile experience, our in-depth know-how and continuous product innovation establishes us as pioneers in the protective clothing industry. Today, Arvind Human Protection is India's leading manufacturer & supplier of Flame Retardant (FR) fabrics & clothing with presence in over 50 countries across 6 continents.

Human Protection business manufactures a range of high-performance next-generation fabrics and specialized clothing providing protection against electric arc, flash fire, molten metal splash, foul weather, combat, biological and many more such hazards.

With best-in-class equipments, along with state of the art inspection, testing, and product development set-up we serve our customers with quality assured manufacturing. Our manufacturing facilities have been certified by renowned global institutions and comply with the required regulatory standards expected by domestic and global customers.

Since its launch, the business has provided protection to millions across the globe.

Our Partnerships





Capabilities

Capabilities



Innovation

With our State-of-the-Art technology and continuous product innovation, we have provided diversified FR products and established long-term relationships with global technological partners. We have more than 30 patents filed making us a global technological leader.

Integrated Textiles

From spinning to garmenting & fibre to performance, our world class infrastructure facility is key to manufacturing high-quality FR products. We are an end-to-end player in the protective market industry.

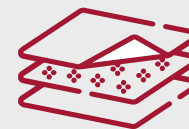


Customer Centric Solutions

Having worked closely with many customers globally, we have garnered considerable finesse in developing and perfecting fine-tuned FR solutions in challenging situations. With customization of product colour, pattern, material and accessories, we keep customer satisfaction on top priority.

Lamination

Our in-house PU bi-layer & tri-layer lamination process provides a barrier against wind, water, chemicals, microbes and harmful vapours present in the environment while allowing perspiration to escape and maintaining fabric stretch ability. Consequently, providing enhanced protection and increasing life of the FR garment.



Build to Scale

With a highly qualified team of R&D engineers and employees, we manufacture 10 million metres of Flame Retardant fabric annually. Our strong market research and trend analysis is the key to a strong industry foothold and diverse product range.

An aerial photograph showing a winding asphalt road with yellow lane markings, curving through a dense, lush green forest. The trees are tall and closely packed, creating a vibrant green canopy. The road starts from the bottom left, curves upwards and to the right, and then continues to curve towards the top right of the frame.

Sustainability

'Fundamentally Right' is Arvind's unique sustainable proposition.

At its very core, sustainability is the art of creating allies of diverse stakeholders who champion divergent interests. Arvind, we see allying as the process of formally co-operating with like-minded forces and combining resources, expertise, networks and assets towards a common purpose. Thus, a core tenet of Fundamentally Right is to proactively seek and cultivate allies to achieve larger sustainability goals faster.

Cotton

At Arvind, we see cotton as a vital ally and are developing a sustainable ecosystem from farm to fabric. We recently added regenerative organic farming to our sustainable cotton portfolio of BCI and Organic farming. Arvind is one of the largest implementation partners for BCI in India. We aim to expand our farm operations to cover 400,000 acres of farmland and over 100,000 farmers by the year 2022-23.



Water



Water plays a key role from cultivation of cotton to transforming into a garment. A recycling facility with capacity of 8 million litres per day, is being constructed at our Denim mill in Ahmedabad. We use 65% recycled water and only 35% water comes from freshwater sources. Several of our production units are operating on 100% recycled water. We also have India's largest Zero Liquid Discharge plant with recycling capacity of 18 million litres per day.

Energy

We are taking up multiple initiatives across our units and offices to help us reduce our energy consumption. We have implemented ISO 50001 energy management system at all our large energy consuming sites. Our Santej Plant has an installed capacity of 16.2 MW and it can generate up to 23 million KWh of solar energy every year. This is India's largest rooftop solar installation at a single location.



Chemical



We ensure that our fabrics and garments are safe for end consumers, and their manufacturing is safe for our employees, surrounding communities and the environment. We are reducing overall chemical usage within textile production processes, which have a smaller environmental impact. Arvind is the first textile mill globally to join Zero Discharge Hazardous Chemicals (ZDHC).

People

To keep our 30,000+ workforce updated, we design and implement comprehensive employee engagement and development programs, foster a conducive work environment, and consistently provide opportunities for professional and personal development. We have spelled out guidelines to ensure that we engage in fair labour practices. This includes payment of minimum wages, protection of human rights, prevention of child/forced labour, and encouragement of health and safety best practices. Safety has been our focus area and various measures were put in place to tackle unsafe conditions, behaviour, and practices for workers and employees.



Money



We try to be fundamentally right in our approach to run our business. This ensures that our core business interests remain protected and are sustainable. Our strong financial performance is key to sustainable growth. The more value we generate, the more we can distribute to our stakeholders and the more we can invest in sustainable innovation. We deploy capital we raise for expanding capacities, fuelling growth, upgrading technology, producing and hiring locally, nurturing talent and setting R&D centres.



Corporate Social Responsibility

Arvind Limited through its CSR policy aims to work for social, economic, educational, infrastructural, environmental, health, inner wellbeing and cultural advancement of the people and thereby positively impact their quality of life. Our CSR programs are in the realm of education, rural transformation, livelihood promotion, art and heritage, women empowerment and inner wellbeing.

Education

Gyanda is an ongoing supplementary education program designed for primary, secondary and higher secondary school going children. More than 5,000 students from lower socio- economic strata have benefitted so far. At present, Gyanda has enrolment of more than 1,100 students.



Rural Transformation

Improvement in education environment by upgrading infrastructure, improving farm productivity by providing multiple trainings, organising health camps across 9 villages. The main objective is to improve the delivery mechanism of government programs by becoming a link between the government and the rural populace. As part of our Rural Transformation program, we carried out a Home Stay Project in villages in Garudeshwar Taluka in Narmada District. With the aim of increasing the income of tribal families, quality home stay facilities were created for tourists at rural homes.

Livelihood Promotion

We work with our civil society partners to help girls join our Women Empowerment program, acquire industry specific vocational skills (Apparel Manufacturing), get employed in Arvind's manufacturing units and stay in company managed dormitories. The women are enrolled in Babasaheb Ambedkar Open University to further their educational qualification, acquire different life skills and nurture their aspirations of creating a secure future for themselves.



Inner well-being

Heartfulness Meditation programs are being conducted in a planned and structured manner. This program is based on the Sahaj Marg system of Raja Yoga meditation. In 2019-20, we conducted sessions in close to 200 places in rural Gujarat and Rajasthan and reached out to around 15,000 people.

Cultural Advancement

Our commitment to support Cultural Advancement, the company supported Lalbhai Dalpatbhai Bhartiya Sanskriti Vidyamandir (LDBSV) for the project named Promotion of Indology towards its efforts to preserve India's rich heritage. The project created a comprehensive digital repository of paper/palm-leaf manuscripts. The company also approved a unique plan to set up an Indigo Museum. The project was supported by Arvind Foundation.



Working with Artisans

The project "Walking Hand-in-Hand - Taking Unnamed Artisans to the World Stage" is being implemented by CDS Art Foundation. Through this project we support artisans who work on exquisite textiles but largely remain unnoticed and unsupported. The initiative identifies, engages, encourages and supports such artisans who have unique ability and potential to go far.



Our Products

FLAME RETARDANT

Flame retardant solutions for accidental heat, flame and electric arc hazards.



Provides on-the-job functionality, durability and comfort to our male & female workers



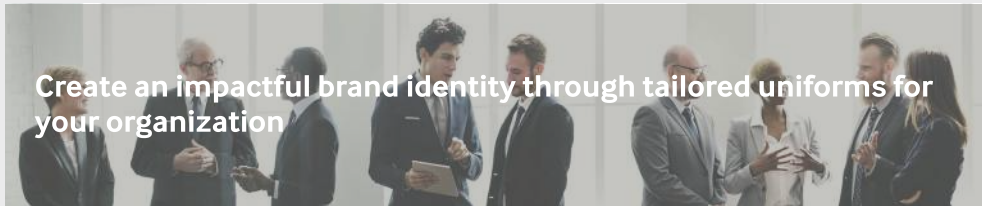
WORKWEAR

HIGH VISIBILITY

Warning garments for worker visibility in poor light conditions



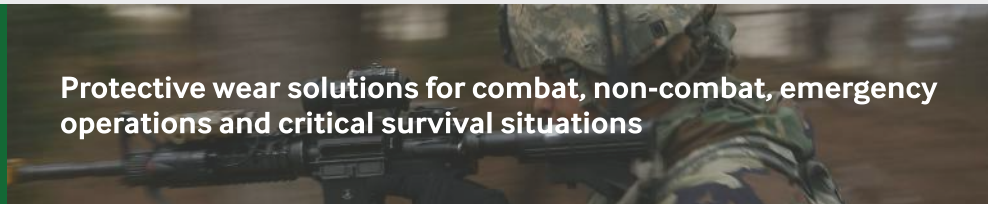
Create an impactful brand identity through tailored uniforms for your organization



IMAGEWEAR

SPECIAL PROTECTION GARMENTS

Protective wear solutions for combat, non-combat, emergency operations and critical survival situations



Exclusive range of PPE for protection against liquid, bacteria and viruses



HEALTHCARE



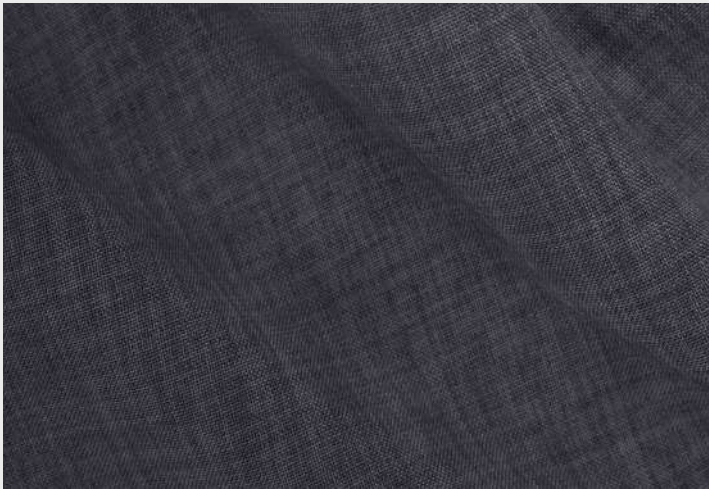
Flame Retardant

Flame retardant solutions for accidental heat, flame and electric arc hazards.

IGNX®

Arvind's high-performance, next-generation FR solution for protection against electric arc, flash fire, molten metal splash, foul weather, combat, biological and many more such hazards.

IGNX Dura®



Multi-norm natural fibre blend for unmatched FR protection

Dura fabric is made from natural fibres that offers excellent protection against heat and flame. It comes in combination of anti-static grids and special finishes like wicking and chemical protection and is available in bright colours.

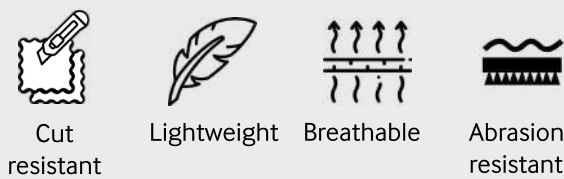
Fabric Range: 180-470 gsm

Product	GSM	Blend	EN ISO 11612	EN ISO 11611	IEC 61482-2-1	EN 1149-5
Dura	185	100 % Cotton	EN ISO 14116			
Dura	240	100 % Cotton	A1 , A2 , B1 , C1 , F1	Class 1	Class 1	
Dura	240	99 % Cotton 1 % AS	A1 , A2 , B1 , C1 , F2	Class 1	Class 1	✓
Dura	275	100 % Cotton	A1 , A2 , B1 , C1 , F3			
Dura	320	99 % Cotton 1 % AS	A1 , A2 , B1 , C1 , E2 , F1	Class 1		✓
Dura	360	100 % Cotton	A1 , A2 , B1 , C1 , E2 , F2	Class 1		
Dura	360	99 % Cotton 1 % AS	A1 , A2 , B1 , C1 , E2 , F3			✓
Dura	470	100 % Cotton	A1 , A2 , B1 , C1 , E3 , F1		Class 1	

STANDARDS



FABRIC FEATURES





GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
- various pocket solutions and closure options
- customized colour combinations
- customized accessories
- additional reflective tapes or reflective elements
- customer logo print/embroidery option

FABRIC COLOURS



INDUSTRIES



Utilities

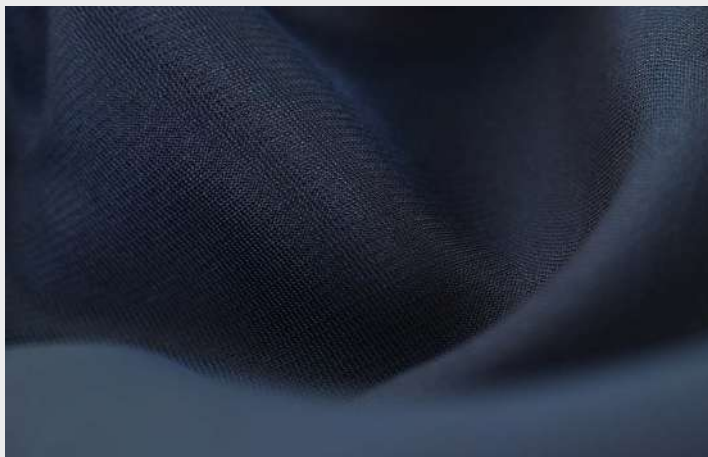


Construction



Oil & Gas

IGNX DuraPlus®



Multi-norm natural fibre blend for unmatched FR protection

IGNX DuraPlus® fabric is made from natural fibres engineered to provide FR properties that last the lifetime of the garment. This range comes with anti-static grids, hi-visibility colours and special finishes. Arvind's unique processing & finishing techniques ensure superior hand feel and colour retention and ultimate protection to the wearer.

Fabric Range: 175-350 gsm

Product	GSM	Blend	EN ISO 11612	EN ISO 11611	IEC 61482-2-1	ATPV (cal/cm²)	EN 1149-5	EN ISO 20471	NFPA 2112	NFPA 70E
Dura Plus	175	75 % Cotton / 20 % PVA / 5 % Para-Aramid	A1, A2, B1, C1, F1		Class 1	6.6			✓	✓
Dura Plus	185	100 % Cotton	EN ISO 14116							
Dura Plus	220	75% Cotton / 20% PVA / 5% Para-Aramid	A1, A2, B1, C1, F1			8.2			✓	✓
Dura Plus	220	74 % Cotton / 19 % PVA / 4.5 % Para-Aramid / 2 % Spandex / 0.5 % Antistatic	A1, A2, B1, C1, F1			8.4			✓	✓
Dura Plus	235	79% Cotton / 20 % Polyester / 1 % Anti-static	A1, A2, B1, C1, F1	Class 1	Class 1	8.1	✓	✓		
Dura Plus	240	100% Cotton	A1, A2, B1, C1, F1	Class 1	Class 1	8.6			✓	✓
Dura Plus	240	88% Cotton / 12% Polyamide	A1, A2, B1, C1, F1	Class 1	Class 1	11			✓	✓
Dura Plus	290	79% Cotton / 20% Polyester / 1% Anti-static	A1, A2, B1, C1, F1	Class 1	Class 1	15	✓	✓		
Dura Plus	310	88% Cotton / 12% Polyamide	A1, A2, B1, C1, E2, F1	Class 1		12			✓	✓
Dura Plus	350	74% Cotton / 24% Polyester / 1% Anti-static	A1, A2, B1, C1, E3, F1	Class 1	Class 1		✓	✓		

STANDARDS

EN ISO 11612



EN ISO 11611



IEC 61482-2



EN 1149-3/5



EN ISO 20471



FABRIC FEATURES



Lightweight



Breathable



Abrasion
resistant



Stretchable



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
- various pocket solutions and closure options
- customized colour combinations
- customized accessories
- additional reflective tapes or reflective elements
- customer logo print/embroidery option

FABRIC COLOURS



INDUSTRIES



Oil & Gas



Utilities

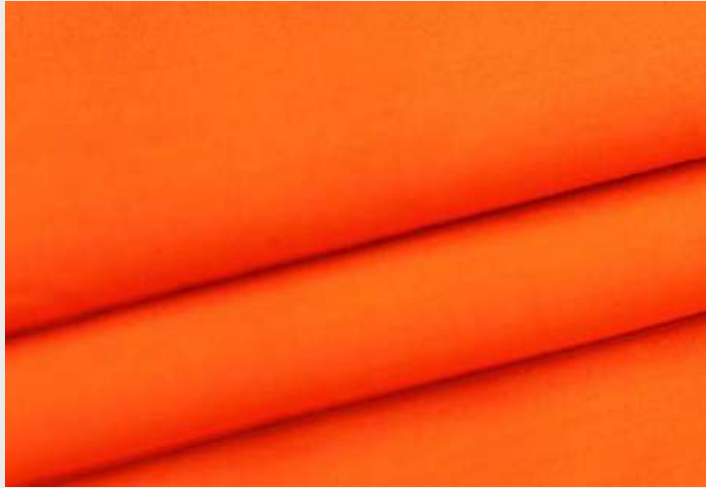


Construction



Fire fighting

IGNX Modashield®



Inherently FR fabric that surpasses international standards for protection against heat & flame hazards

Our range of inherently FR fabric is a blend of natural and modacrylic fibres for superior comfort and maximum protection. Modacrylic has great dimensional stability and high elastic recovery, which gives the fabric the ability to hold its shape. IGNX ModaShield® displays high performance when it comes to safety and comfort.

IGNX ModaShield® features:

- Self-extinguishing property
- Shape retention
- Wash durability (FR for life)

Fabric Range: 180-410 gsm

(Available with anti-static grids, high vis colours and special finishes)

Product	GSM	Blend	EN ISO 11612	EN ISO 11611	IEC 61482-2-1	ATPV (cal/cm²)	EN 1149-5	NFPA 2112	NFPA 70E
ModaShield	180	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , F1				✓		
ModaShied	235	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , F1	Class 1		9.1	✓		✓
ModaShied	240	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , F1	Class 1	Class 1	11.8	✓		✓
ModaShied	305	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , E1 , F1	Class 1	Class 1	13	✓	✓	
ModaShied	360	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , E3 , F1	Class 1	Class 2		✓		
ModaShied	410	Modacrylic Cotton Multi blend	A1 , A2 , B1 , C1 , E3 , F1	Class 2	Class 2		✓		

STANDARDS

EN ISO 11612



EN ISO 11611



IEC 61482-2



EN 1149-3/5



EN ISO 20471



FABRIC FEATURES



Lightweight



Breathable



Abrasion
resistant



Stretchable



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
- various pocket solutions and closure options
- customized colour combinations
- customized accessories
- additional reflective tapes or reflective elements
- customer logo print/embroidery option

FABRIC COLOURS



INDUSTRIES



Automotive



Fire Fighting



Utilities



Welding

IGNX AraShield®



Multi-norm, inherently FR fabric with excellent arc rating

Aramid range of inherently FR fabrics provide valuable extra seconds of protection to escape the intense heat and flame of on-the-job thermal hazards. It has great strength to weight ratio and provides unmatched durability. Arvind's innovative proprietary weave - **Stellarweave** is a unique aramid fabric engineered for excellent flow and comfort whilst providing protection from heat and flame in hazardous working conditions. Stellarweave, both absorbs and releases moisture efficiently therefore supporting the body's natural thermal regulation.

(Stellarweave fabric available in solids, prints, yarn dyed and stretch)

IGNX AraShield® features:

- Added tencel for comfort
- FR property for life of the garment

Fabric Range: 150-220 gsm

(Available with special finishes)

Product	GSM	Blend	EN ISO 11612	EN ISO 11611	IEC 61482-2-1	ATPV (cal/cm²)	EN 1149-5	NFPA 2112	NFPA 70E
Stellarweave	150	Aramid FR Viscose Multi blend				7.9		✓	✓
Stellarweave	165	Aramid FR Viscose Multi blend	A1 , A2 , B1 , C1 , F1		Class 1	10.3	✓	✓	✓
Stellarweave	180	Aramid FR Viscose Multi blend	A1 , A2 , B1 , C1 , F1		Class 1	9.5	✓	✓	✓
Stellarweave	220	Aramid FR Viscose Multi blend	A1 , A2 , B1 , C1 , F1	Class 1	Class 1	9.6	✓		
AraShield	150	93% M-Aramid, 5%P -Aramid, 2% ast	A1 , A2 , B1 , C1 , F1		Class 1		✓		
AraShield	180	93% M-Aramid, 5%P -Aramid, 2% ast	A1 , A2 , B1 , C1 , F1	Class 1	Class 1		✓		

STANDARDS

EN ISO 11612



EN ISO 11611



IEC 61482-2



EN 1149-3/5



FABRIC FEATURES



Cut resistant



Lightweight



Breathable



Anti-pilling



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
- various pocket solutions and closure options
- customized colour combinations
- customized accessories
- additional reflective tapes or reflective elements
- customer logo print/embroidery option

FABRIC COLOURS



INDUSTRIES



Automotive



Mining



Construction



Utilities



Oil and Gas

IGNX® MetaShield



D3/E3 compliant fabric with unmatched durability and protection from molten metal splash hazards

IGNX® MetaShield fabric provides protection against molten metal splash and related heat stress. Accidental contact of moisture to the hot melt deck produces a violent explosion and throws molten metal and high-temperature solids out of the bath, putting workers and nearby plant and equipment at risk. This D3/E3 compliant fabric is lightweight, comfortable and anti-static.

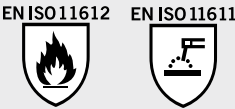
IGNX® MetaShield features:

- Shrink-resistance
- Anti-static grids
- D3/E3 compliance

Fabric Weight: 375 gsm

Product	GSM	Blend	EN ISO 11612	EN ISO 11611
MetaShield	375	Wool/ Viscose Multi blend	A1 , A2, B1 , C1 , D3, E3, F1	Class 2

STANDARDS



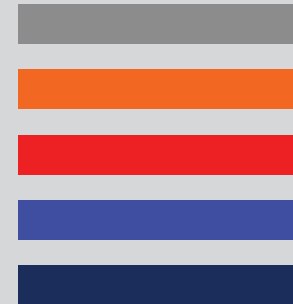
FABRIC FEATURES



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
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FABRIC COLOURS



INDUSTRIES



Foundry

IGNX Comfile®



Knitted range of inherently FR fabric

Our knitted range is a blend of inherently FR modacrylic fibres and chemically engineered cotton. Modacrylic fibres exhibit a high Limiting Oxygen Index (LOI) value and possesses a self-extinguishing characteristic which forms a char barrier working as a shield to minimise fire damage.

IGNX Comfile® features:

- Wrinkle resistance
- Breathable
- Stretch ability
- FR properties for life of garment

Fabric Range: 4.7-10.5 oz

Product	Oz	Blend	EN ISO 11612	EN ISO 11611	IEC 61482-2-1	ATPV (cal/cm²)	EN 1149-5	EN ISO 20471	NFPA 2112	NFPA 70E
Stellar SJ 165	4.7	Aramid FR Multi blend	A1,A2,B1,C1,F1		Class 1		✓			
Stellar Rib 200	6	Aramid FR Multi blend							✓	✓
Stellar SJ 200	6	Aramid FR Multi blend	A1,A2,B1,C1,F1		Class 1		✓			
Dura Plus SJ 6.1	6.1	100% Cotton							✓	✓
Dura Plus Rib 7.0	7	97% Cotton / 3% Spandex							✓	✓
ModaShield Interlock 240	7.2	Modacrylic Cotton Multi blend	A1,A2,B1,C1,F1		Class 1	10	✓	✓		
ModaShield Rib 260	7.8	Modacrylic Cotton Multi blend							✓	✓
ModaShield Fleece 350	10.3	Modacrylic Cotton Multi blend	A1,A2,B1,C2,F2	Class 1	Class 2	25	✓		✓	✓
DuraPlus Fleece 350	10.3	100% Cotton							✓	✓
DuraPlus Rib 350	10.5	97% Cotton / 3% Spandex							✓	✓

STANDARDS

EN ISO 11612



EN ISO 11611



IEC 61482-2



EN 1149-3/5



EN ISO 20471



FABRIC FEATURES



Breathable



Cut resistant



Lightweight



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
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FABRIC COLOURS



INDUSTRIES



Utilities



Construction



Oil & Gas



Automotive



Aviation



Workwear

Provides on-the-job functionality, durability and comfort to our male & female workers

Our workwear is made from cotton and cotton blends that aid in providing maximum comfort, durability and protection at shop-floor. With our garmenting craftsmanship, we make workwear that is not just aesthetically smart but also high-performance.



Workwear

Our workwear garments come in various optional finishes:

Chemical Protection

This finish prevents liquids (oil & water) from penetrating into the fabric. When liquid spills come into contact with the fabric, they form into beads and roll off the surface.

Moisture Management

It provides wash resistant hydrophilic properties to the fabric. This makes the fabrics dry quicker, wick moisture away from the skin and stay soft and breathable even when the wearer is involved in high-intensity activities.

Wrinkle Free

Wrinkling is one of the most common fabric property. Wrinkle Free finish enhances the fabric's ability to recover to a definite degree. Our finishing process is environmentally friendly, cost effective and non-allergenic.

Anti-microbial

Anti-microbial finish prevents the growth of bacteria and also prevents garments from unpleasant odour. This technology actively inhibits viruses and kills them on contact. With 99.9% reduction in virus in 30 minutes, Intellifabrix is safe and hypoallergenic.



GARMENT SOLUTIONS

- silhouette and styling options based on fabric weight
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FABRIC COLOURS





High-visibility

Warning garments for worker visibility in poor light conditions



GARMENT SOLUTIONS

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- customer logo print/embroidery option



FABRIC COLOURS



EN ISO 20471





Imagewear

Create an impactful brand identity through tailored uniforms for your organization

A thoughtfully designed uniform for the employees can establish lasting brand image for a company. We design exclusive range of apparels for the corporates to define their identity and make them stand apart from the crowd.



GARMENT SOLUTIONS

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GARMENT SOLUTIONS

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Special Protection Garments

Protective wear solutions for combat, non-combat, emergency operations and critical survival situations

Our specialty fabrics and garmenting capabilities ensure protection against extreme weather, ballistic hazards, fire hazards, chemical warfare or even nuclear radiation.



Turnout Gear (TOG)

Firefighters face serious risks on the job such as burn injury, heat exhaustion, cuts, varying types of scrapes, mental stress, etc. Additionally, they frequently come into contact with high levels of carbon monoxide and other toxic hazards. As a result, this sector requires high quality protective clothing that must be flame retardant and offer maximum mechanical resistance, in addition to being highly portable.

Arvind's BTTG certified structural firefighting suit not only protects the fighter from any adverse injuries that might occur on the job but also regulates the thermal conditioning inside the suit. The 3-layer suit consists of an outer shell, moisture barrier and a thermal liner. It is extremely lightweight which eases the process of donning and doffing.

STANDARD





Firefighting suit - EN 469:2005
 Garment- ISO 13506:2008 (8 second Ralph manikin test)
 Reflective Tape- EN471



Hood – EN 13911:2004



Hood – EN 13911:2004



Gloves – EN 659:2008



Boots - EN 15090:2012



Extreme Cold Weather Clothing System (ECWCS)

Our Extreme Cold Weather Clothing System is used for protection against foul weather / atmospheric / environmental conditions like extremely low temperature, high velocity winds, snow fall, avalanches, landslides and frostbite. These suites are essentially worn in critical combat areas, so it is imperative they meet both functional and comfort standards.

Our 3-layer clothing system has a Clo value of ≥ 6.2 and is extremely lightweight (4.5 kg).

- Inner layer provides warmth and transports sweat
- Middle layer acts as a wind and water barrier while retaining body heat.
- Outer layer provides an air ventilation system and camouflage for use in snow and forest.



(A)



(B)



(C)

- (A) Inner layer
- (B) Middle layer
- (C) Outer layer (white) - open zipper



(D)



(E)



(F)

- (D) Outer layer (white) - zipped
- (E) Outer layer; reversed (green) - open zipper
- (F) Outer layer; reversed (green) - zipped



Arc Suit (NFPA 70E)

Though electric arc flash occurs for a very short duration, it creates an intense amount of energy with extremely high temperatures (up to 35000°C). This very unique exposure can cause severe burns, eye injuries and blast injuries even at a distance of ten feet.

Arvind brand CAT 2/3/4 Arc Protection Suits range from 4-40 cal/cm².

They provide valuable extra seconds of protection to escape this intense heat and flame. They self-extinguish and provide flame resistance for the life of the garment.

- Self-extinguishing
- CAT 2/3/4 Hi Vis Jacket & Bib
- Shell
- Lining

STANDARD





Arc Suit (NFPA 70E)



Defence

The military and paramilitary forces require various ensembles ranging from combat suits, service uniforms to even ceremonial wear. Ensemble specifications are designed to maintain aesthetics and functionality in the line of duty. They are designed keeping in mind the rules and regulations of respective forces.

Among combat suits, camouflage has been used to visually conceal and protect soldiers and military equipment in different kinds of terrains (such as desert, forest, and snow). With the advancement in technology, today camouflage is required not just against visual but also against IR detection devices. Hence adding IRR technology to the same provides protection on a whole other spectrum. Fabrics are given a special IRR finish to provide unique visual and spectral disguise.

Arvind's state-of-the-art printing and processing house is able to offer a wide range of camouflage and IRR solutions as per the varied customer requirement. Following stringent specifications, the polyester and polyamide fibres are blended to sustain multiple wear while retaining the functional properties.

Fabric Range: 150-250 gsm





HEALTHCARE

Exclusive range of PPE for protection against liquid, bacteria and viruses

We offer an exclusive range of PPE that provides maximum protection against bacteria, virus and liquids. Our antiviral fabric finish, Viroblock, provides best-in-class viral protection with 99.99% reduction of virus in 30 minutes. It has a hypoallergenic finish, and provides an added sense of security to the wearer.

Face Mask

Arvind's range of face masks are made to protect you from contact with liquids, bacteria, virus, dust, chemicals, pollutants, and toxins. Our masks range from single layer to multilayer, disposable to reusable and from N-95 to everyday-wear cotton. Flexible nose clips and disposable filters provide reliable respiratory protection all day long.



Coverall

Arvind produces a variety of coveralls based on your need and usage. These lightweight, highly breathable coveralls protect against liquid, bacteria and virus.

Weight Range: 50-150 gsm

Hospital Scrubs

A Lightweight, comfortable, hypoallergenic hospital scrub provides a self-sanitizing and germ resistant surface.

- Anti-viral and anti-microbial hospital scrubs last for at least 30 washes at 40°C.
- Multiple pockets in top & bottom for easy storage and access.
- Elasticated waistband for a more comfortable & flexible fit.

Material: Polyester/Cotton blend

Weight: 150/200 gsm

*Patent pending anti-viral and anti-microbial technology.



Doctor Coat

Our Lightweight, comfortable, hypoallergenic doctor coat provides a self-sanitizing and germ resistant surface.

Anti-viral and anti-microbial coat lasts for at least 30 washes at 40°C.

Multiple pockets in top & bottom for easy storage and access.

*Patent pending anti-viral and anti-microbial technology.

Testing Partners



Certifications



Safety Standards

EN 469



Protective clothing for
fire fighters

EN 13034



Protective clothing
against liquid chemicals

EN ISO 20471



Protective clothing with
high visibility

EN ISO 11611



Protective clothing
for use during welding
work and similar work

EN ISO 11612



Protective clothing for
protection against heat
and flame

EN14683



Bacterial filtration efficiency,
differential pressure, splash
resistance and microbial
cleanliness

IEC 61482-2



Protective clothing
against thermal hazards
of an electric arc

EN 1149-3/5



Protective clothing with
electrostatic properties

EN343



Protective clothing
against rain

EN342



Protective clothing
against cold



Protective clothing
against electrical
hazards



Protective clothing for
protection against flash
fire

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