BIENTEKS®

BIENTECH®

COMPANY PROFILE

BIENTEKS BIENTECH®

About Us

Technical Textile in protective fabrics

Bienteks was born in 2007 from a small family company which was established in 2004 in Bursa city (Turkey). From the beginning, its products were basically, fabrics for the fashion sector. Soon, it derived its orientation, focusing on the main line of business on the technical protective clothing world.

In 2011, we totally changed our production range and produce high technical fabrics according to customer requests. We want to work with maximum guarantees on the control and the quality processes.

Nowadays, Bienteks is a young generation and we want to grow together with the customers and maximum safety in the risks protection of the people that used our fabrics. Right now, already more than 10 countries trust on the philosophy and the product of Bienteks.
Thank you for good cooperation for our futures. Bienteks Team

Address details : Headoffice & Production

Bientech Tekstil San. ve Tic. Ltd. Sti.
Yunus Emre Mh. Yeniyol Sk. No:6 16270 YILDIRIM/BURSA/TURKEY
Tel : (90) 0224 246 32 62
Fax : (90) 0224 246 32 62
E-Mail : info@bientech.com.tr
http://www.bientech.com.tr

Year of establishment : 2004

Contacts :

Birgul Oral, Mrs. – ENG / FR
E-Mail : birgul@bientech.com.tr

Remziye Gundogdu, Ms. – Eng / RU
E-Mail : remziye@bientech.com.tr

Atilla Oral, Mr. – ENG / FR
E-Mail : atilla@bientech.com.tr

Memberships :

Chamber of Commerce, Bursa / Turkey
Chamber of Exporters Union, Bursa / Turkey

BIENTEKS BIENTECH®

Current markets :

Turkey, Germany, USA, UK, France, Swiss, Austria, Russia, Tunisia, Morocco, Poland, Bosnia, Hungary, Belgium, Romania, Spain

Services :

- Technical fabric production
- Technical analyse
- Design support
- Product development
- Sampling
- Quality assurance

Fabric product categories :

Military, Police, Sportwear, Workwear, Personel Protective, Home textiles, Hospital, Hotel, Promotional, Tent…

In house qualities :

Woven fabrics - PES, PES/EA, COT, COT/EA, PES/COT, PA 6 & 6.6, PA/PES, PA/COT…
Avarage Gramages : 30 gr/m² ≈ 600 gr/m²
Avarage Width : 100 cm ≈ 340 cm width.

Knitting fabrics - Single jersey, Ribana, Interlock, Pique, Molton, Polair, Fleece, 2 yarns, 3 yarns.
Avarage Gramages : 70 gr/m² ≈ 600 gr/m²
Avarage Width : 100 cm ≈ 220 cm width.

Nature of production :

Production is based on customer specifications.

- Production under OEKO-TEX 100 standards

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Softshell Fabric

We produce Softshell fabric in Turkey. Woven and knitted fabrics laminated by PU, PA, PES, PTFE as different types of membranes.

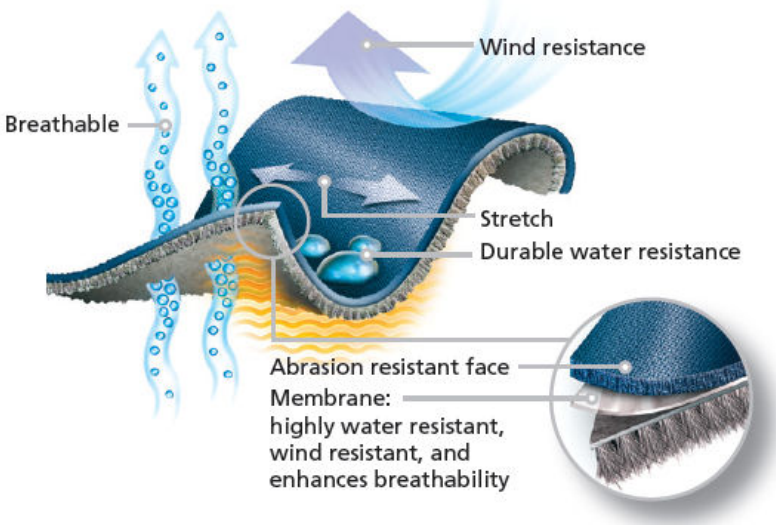
SOFTSHELL fabrics consist of 2 or 3-layers fabrics by the technique of sandwich model. The outer fabric has stain-resistant and water-sliding properties, which is provided by using a special technique. Thanks to the its elastane structure, it is flexible and this feature enables ease of use.

Thanks to the water-repellent outer fabric surface, water doesn't pass through it.

In order to generate thermal insulation, interior fabric is produced from micro-polar which provides heat protection.

The Membrane gives to the fabric some features like; water repellent, wind proof, breathable, and stain resistance and flame retardant properties.

- Blocks 99% of the wind
- Highly breathable
- Highly water resistant
- Extremely abrasion resistant
- Stretch for active comfort
- Less noise than a hardshell
- Warmth without weight
- Machine washable



Softshell Fabric

Usage areas :

Jackets and trousers for activities climbing, running or skiing .

Basic characteristics :

- High breathability and air permeability
- Wind and water resistant
- Light weight
- Elasticity
- Water repellent
- Comfortable
- Digital print possibility
- High Visibility possibility according to EN 471 or 20471

Other fabric constructions :

Polyamide, Elastan, Polyester, Cordura, Flame Resistant fibres, microfibres, cotton, PU coating



Workwear Fabric

Industry factors in companies are industrial pollution, mechanical effects, contact with water, oils and acids. Consequently, clothing must be long-lasting. It should not tear, in addition, it should prevent water, oils and acids passing through the skin. As the risk of polluting clothes at work is extremely high, the fabric must be resilient to many washes, and care for the clothes should be easy and affordable. High physical activity demands clothes for increased hygienic characteristics: hygroscopicity and air permeability.

Based on these requirements, Bientech has created a fabric collection for protection against common production pollution.

Other fabric constructions :

Polyamide/Cotton, Polyester/Cotton, Cordura, Cotton, Elastan, Polyester, Viscose/Cotton, Carbon, Antistatic

Other fabric features :

- Anti Bacterial
- Anti Static
- Flame Retardant
- Oil Release
- Soil Release
- Water Release
- Anti Pilling
- Easy Care

Optional dyeing processes :

Reactive, Disperse, Vat.

Optional mechanical finishing :

Emerizing, Shrink proofing, Calendaring

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Workwear Fabric





Military Fabric

There are a lot of military fabrics out there that look nice, but that doesn't mean they'll stand the test of time or even daily wear and tear. Our military fabric will give you exactly what you need to get the job done and endure for many years to come. It continually delivers on this promise to our clients that has made Bientech the chosen supplier of many for the military fabric.

We strive to exceed your expectations with our line of Bientech brand military fabrics. Any fabric company can make an industrial grade fabric for military applications, but at Bientech we want to go above and beyond simple military certification. Our fabric company strives to create fabrics that are useful, long-lasting and dependable. Shortly, we give you the highest quality fabric on the market.

Military Fabric that Will Endure the Elements

We design our fabric to be used in any type of situation and weather around the globe. Our military fabrics are built to withstand all extreme temperatures and weather. Rain, snow, cold, heat, humidity and more—our military fabric can handle it.

Likewise, all our fabric is waterproof and resistant to mildew, so it will stay clean and persevere in any situation.

Other fabric constructions :

Polyamide/Cotton, Polyester/Cotton, Cordura, Cotton, Carbon, Antistatic,
Vis FR/Para Aramid/Polyamide/Anti Static.

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Military Fabric

Possible fabric optionals :

- Anti Bacterial
- Anti Static
- Flame Retardant
- Oil Release
- Soil Release
- Water Release
- Anti Pilling
- Easy Care

Optional dyeing processes :

Reactive, Disperse, Vat.

Optional mechanical finishing :

Emerizing, Shrink Proofing, Calendering.

Optional camouflage printing :

- Pigment,
- Reactive,
- Indanthrene,



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Flame Retardant I Fire Resistant
High Visibility I Antistatic







- Firefighting Apparels
- Electric Arc Protection Fabrics
- Protective Clothing for Welding Workers
- Petroleum, Oil and Gas Pipeline Coveralls

Special Protective Suits for :

- Chemical Industry
- Vessel Building
- Electrical Power Stations
- Military and Policemen

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Flame Resistant Products

Permanent flame resistant fibers are materials that have flame resistance built into their chemical structures. Bientech Textile offers permanent flame resistant yarns and fabrics composed of Aramid, and Modacrylic materials under the Bientech brand. The protection is built into the fiber itself and can "never be worn away or washed out" and cannot be compromised. It is crucial for the wearer to know the flame resistant protection is always there.







- FR Garments applied to industrial flame-resistant workwear with comforts.

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Applied Innovations for Technical Markets

FR Aramid Fabrics, when exposed to flame, the aramid fiber swells and becomes thicker, forming a protective barrier between the heat source and the skin. This protective barrier stays supple until it cools, giving the wearer vital extra seconds of protection to escape.



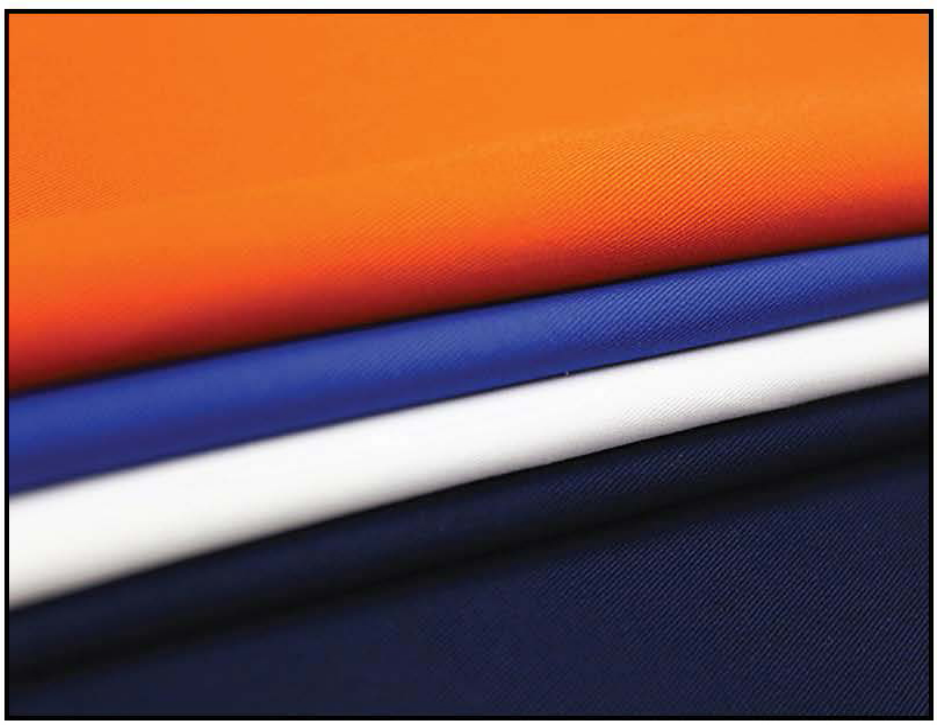




- No-melting I non-dripping I Non-toxic protection.
- Electrical arc flash & electrostatic discharge protection.

Flame Retardant Fabrics

Our flame-retardant fabrics deliver the ultimate level of protection when safety matters most. FR fabrics will not burn, melt, or ignite when exposed to direct flame; are highly resistant to molten metal splash and flammable liquids; and offer excellent protection from arc flash hazards. Even after intense exposure, flame-retardant fabrics maintain their strength and integrity and continue to protect. Constructed using advanced patented technology, our fabrics are comprised of a proprietary blend of high-performance fibers and are inherently flame retardant. Lightweight, flexible, and odor resistant, they also combine comfort with an extreme level of thermal protection. FR fabrics significantly outperform competitive flame-retardant textiles. In field tests conducted over the course of several years and across multiple applications, our flame-retardant fabrics have consistently proven their ability to withstand heat and direct flame for up to 20 times longer than other flame-retardant options.



- The term fire-retardant as applied to organic (i.e., containing carbon) materials, is intended to refer to reduced fire hazard, as all will burn under certain circumstances.

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High Performance FR Coverall (High Visibility)

FR coveralls provide an extensive range of flame retardant clothing providing complete protection while working in conditions of extreme heat and other hazardous environments.
All of our flame retardant clothing is designed to conform to certified International Standards, ensuring that they each provide the optimal level of protection while maintaining long lasting comfort and a fashionable appearance.







CONFIDENCE IN TEXTILES
Tested for harmful substances

CE

ASTM

NFPA
National Fire Protection Association

EN 20471 EN 1149

IEC 61482 EN 11612

EN 13034 EN 11611

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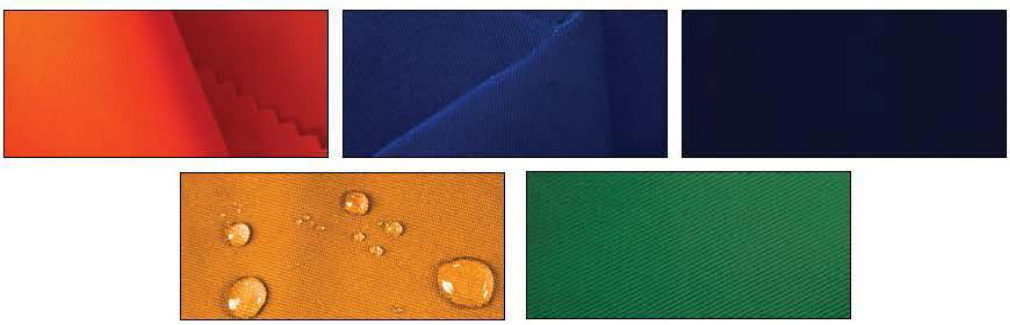
Flame Retardant Fabrics (Woven)

Fabric Code	Fabric Composition	Weights
PFR_50.50	%50 META ARAMID %50 VISCOSE FR	180 gr/m² ~ 320 gr/m²
PFR_50.49.1	%50 META ARAMID %49 VISCOSE FR %1 ANT. STATIC	190 gr/m² ~ 260 gr/m²
PFR_75.23.2	%75 META ARAMID %23 PARA ARAMID %2 ANT. STATIC	180 gr/m² ~ 270 gr/m²
PFR_98.2	%98 META ARAMID %2 ANT. STATIC	170 gr/m² ~ 245 gr/m²
PFR_93.5.2	%93 META ARAMID %5 PARA ARAMID %2 ANT. STATIC	180 gr/m² ~ 270 gr/m²
PFR_75.14.10.2	%75 VISCOSE FR %14 PARA ARAMID %10 PA %2 ANT. STATIC	210 gr/m² ~ 270 gr/m²
PFR_66.20.12.2	%66 VISCOSE FR %20 PARA ARAMID %12 PA %2 ANT. STATIC	210 gr/m² ~ 270 gr/m²
PFR_99.1	%99 META ARAMID %1 ANT. STATIC	160 gr/m² ~ 210 gr/m²
PFR_55.44.1	%55 MODACRYLIC %44 COT %1 ANT. STATIC	180 gr/m² ~ 270 gr/m²
PFR_50.29.12.7.2	%50 MODACRYLIC %29 VISCOSE FR %12 COT %7 PARA ARAMID % 2 ANT. STATIC	200 gr/m² ~ 300 gr/m²
* TFR_99.1	%99 COT %1 ANT. STATIC	200 gr/m² ~ 300 gr/m²
* TFR_C100	%100 COT	200 gr/m² ~ 300 gr/m²
* TFR_P100	%100 PES	200 gr/m² ~ 300 gr/m²

* *Flame Retardant Finishing Treatment*

Additional Features

Liquid / Water, Oil, Dirt Repellency, Antibacterial, High Visibility Colours





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Flame Retardant Fabrics (Knitted)

Superb comfort and full first-layer anti-flame protection. Advanced material that solidifies on contact with heat creates a protective skin. Features moisture transporting fabric for enhanced working comfort. Conforms to EN11612 and EN1149 Anti-static.

Fire retardant fabrics are textiles that are naturally more resistant to fire than others through chemical treatment or manufactured fireproof fibers. Flame retardant clothing made of FR fabric can be worn daily as part of a total personal protective equipment (PPE) solution, providing significant value to users. Our FR fabrics are used in flame retardant base layer garments, gloves, balaclavas, socks, jackets, pants, shirts, outerwear, and other applications.

Fabric Code	Fabric Composition	Weights
PFR_50.50	%50 META ARAMID %50 VISCOSE FR	180 gr/m² ~ 245 gr/m²
PFR_50.49.1	%50 META ARAMID %49 VISCOSE FR %1 ANT. STATIC	180 gr/m² ~ 250 gr/m²
PFR_100	%100 META ARAMID	200 gr/m² ~ 250 gr/m²
PFR_98.2	%98 META ARAMID %2 ANT. STATIC	170 gr/m² ~ 245 gr/m²
PFR_93.5.2	%93 META ARAMID %5 PARA ARAMID %2 ANT. STATIC	180 gr/m² ~ 240 gr/m²
PFR_99.1	%99 META ARAMID %1 ANT. STATIC	170 gr/m² ~ 240 gr/m²
PFR_55.44.1	%55 MODACRYLIC %44 COT %1 ANT. STATIC	180 gr/m² ~ 260 gr/m²
* TFR_C100	%100 COT	250 gr/m²

* *Flame Retardant Finishing Treatment*





EN 20471 EN 1149

IEC 61482 EN 11612

EN 13034 EN 11611

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Flame Retardant Fiber and Yarn Brands

The flame retardant characteristic is added to the polymer chain and therefore it is permanent on the FR yarns range. That means the flame protection cannot be influenced by ageing or washing. People in professions involving a high level of risk from burns need to wear special protective clothing. Apart from direct fire, heat, in its different forms, represents a significant danger. Skin is our biggest organ and its only form of protection is our clothing.

When safety is the number one criteria, you need a reliable source of Highly Technical yarns to build your products on a secure foundation. Bientech Textile works with your technical experts to develop and produce the right yarn for the job using the best fiber blends and our reliable multiple spinning techniques to deliver to you a consistent quality. Whether you are weaving or knitting for a Military project, the Oil, Gas or Mining industries, the Utilities services or any other special application, high quality fabrics can produce the type of yarn and fiber blend that will perform to meet the standards and specifications that you need to meet.

DUPONT Nomex.

META Aramid

PARA Aramid

KEVLAR DUPONT

Protex Fiber Flame Retardant MODACRYLIC

KERMEL NOTRE MONDE EST PERFORMANCE

LENZING

TEIJIN Human Chemistry, Human Solutions

CONFIDENCE IN TEXTILES

CE

ASTM

NFPA National Fire Protection Association

twaron The Power of Aramid

LENZING Viscose SETS THE INDUSTRY STANDARD

EN 20471 EN 1149 IEC 61482 EN 11612 EN 13034 EN 11611

Yunus Emre Mh. Yeniyol Sk. No:6 16270 YILDIRIM
Bursa I TURKEY

Tel/Fax : +90 224 246 32 62
E-mail : info@bientech.com.tr
Web : http://www.bientech.com.tr