Artex inherent FR-fabrics
Stay on the right side with FireLine
Artex fabrics are innovative inherent flame retardant fabrics made of blended aramid fibers in composition of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. Inherent thermal, flame and electric arc protection cannot be washed away. This property of aramid fibers is built into their chemical structure. Garments made with aramid fabrics are not flammable. 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 down, giving the wearer vital extra seconds of protection to escape. Artex aramid fabrics are very durable, have high tensile resistance and light weight.

**FR-inherent and Lightweight** - our Artex aramid fabrics are made of synthetic fibers which are inherently [i.e. from the very creation] flame retardant. Reputable and well-tried composition of meta and para-aramid with antistatic provides excellent protection from heat and flame.

**Internationally Certified** - our Artex aramid fabrics have been certified to main European and American standards. We have done this extensive testing for each of our fr-fabrics in first class world laboratories such as BTTG (UK), Kinectrics (Canada), Vartest (USA), AITEX (Spain), UL (USA). All the Certificates are available on our website.

**Proven Protection** - ISO 11612 / ISO 11611, EN 61482-1-2, ISO 1149-3 - these are the standards, to which we have successfully tested our Artex aramid fabrics. FR-properties are embedded in the very fibers and can not be ever washed away. FR-inherent properties can not be compromised by even some improper washing method, what gives you extra confidence about your fr-garments.

**Longer Life of FR-garment and better Colourfastness** - using protective garments made with our XM FireLine Artex aramid fabrics you have a super protection for reasonable price. Due to use of solution dyed (dope dyed) yarn our fabrics keep the original colors during years even after multiple industrial washings.
ISO 11611:2007 specifies minimum basic safety requirements and test methods for protective clothing including hoods, aprons, sleeves and gaiters that are designed to protect the wearer’s body including head (hoods) and feet (gaiters) and that are to be worn during welding and allied processes with comparable risks. For the protection of the wearer’s head and feet, ISO 11611:2007 is only applicable to hoods and gaiters. ISO 11611:2007 does not cover requirements for hand protection.

This type of protective clothing is intended to protect the wearer against spatter (small splashes of molten metal), short contact time with flame, radiant heat from the arc, and minimizes the possibility of electrical shock by short-term, accidental contact with live electrical conductors at voltages up to approximately 100 V d.c. in normal conditions of welding. Sweat, soiling or other contaminants can affect the level of protection provided against short-term accidental contact with live electric conductors at these voltages.

ISO 11611:2007 specifies two classes with specific performance requirements, i.e. Class 1 being the lower level and Class 2 the higher level.

Class 1 is protection against less hazardous welding techniques and situations, causing lower levels of spatter and radiant heat.

Class 2 is protection against more hazardous welding techniques and situations, causing higher levels of spatter and radiant heat.

For adequate overall protection against the risks to which welders are likely to be exposed, personal protective equipment (PPE) covered by other standards should additionally be worn to protect the head, face, hands and feet.

ISO 11612:2008 specifies performance requirements for garments made from flexible materials, which are designed to protect the wearer’s body, except the hands, from heat and/or flame. For protection of the wearer’s head and feet, the only items of protective clothing falling within the scope of this International Standard are gaiters, hoods and overboots. However, concerning hoods, requirements for visors and respiratory equipment are not given.

The performance requirements set out in ISO 11612:2008 are applicable to garments which could be worn for a wide range of end uses, where there is a need for clothing with limited flame spread properties and where the user can be exposed to radiant or convective or contact heat or to molten metal splashes.

BS EN 1149-5 is part of a series of standards for test methods and requirements for electrostatic properties of protective clothing. BS EN 1149-5 specifies material and design requirements for electrostatic dissipative protective clothing. It covers clothing used as part of a total earthed system, to avoid incendiary discharges. The requirements may not be sufficient in oxygen enriched flammable atmospheres. This standard does not apply to protection against mains voltages.
ARTEX-150 is a light inherently flame retardant protective fabric made of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic, with weight of 150gsm, plain 1/1 weave.

**SPECIFICATION:**

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>COMPOSITION</th>
<th>WEIGHT</th>
<th>WEAVE</th>
<th>FULL WIDTH</th>
<th>FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTEX-150</td>
<td>93% M-ARAMID, 5% P-ARAMID, 2% ANTISTATIC</td>
<td>150 GSM / 4.5 OZ</td>
<td>PLAIN 1/1</td>
<td>151 CM (±1 CM) / 60°</td>
<td>INHERENT FR</td>
</tr>
</tbody>
</table>

**PHYSICAL PARAMETERS:**

<table>
<thead>
<tr>
<th></th>
<th>YARN TYPE</th>
<th>TEARING STRENGTH (ISO 13937-2)</th>
<th>TENSILE STRENGTH (ISO 13934-1)</th>
<th>SHRINKAGE (ISO 6530-2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARP</td>
<td>RING SPUN</td>
<td>48 N</td>
<td>≥ 730 N</td>
<td>≤ ± 3%</td>
</tr>
<tr>
<td>WEFT</td>
<td>RING SPUN</td>
<td>39 N</td>
<td>≥ 600 N</td>
<td>≤ ± 3%</td>
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**COLOUR FASTNESS TO:**

<table>
<thead>
<tr>
<th>WASHING 60°C (ISO 105 C06)</th>
<th>RUBBING (ISO 105 X12)</th>
<th>DRY CLEANING (ISO 105 D01)</th>
<th>PERSPIRATION (ISO 105 E04)</th>
<th>LIGHT (ISO 105 B02)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR CHANGE</td>
<td>COLOUR STAINING</td>
<td>DRY</td>
<td>WET</td>
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<td>4-5</td>
<td>4-5</td>
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<td>4-5</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS:**

- BLACK #X601
- ROYAL BLUE #X604
- DARK NAVY #X602
- GREEN #X609
- RED #X603
- ORANGE #X606
- NAVY #X628

**CARE INSTRUCTIONS:**

- KEEP IN COOL DRY PLACE, WITH NO DIRECT SUNLIGHT

ISO 11612: Protective clothing — Clothing to protect against heat and flame
Artex-150 is an innovative inherent flame retardant fabric made of blended aramid fibers in composition of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. This fabric is best used in fire services, the military such as the marines, infantry, for flight suits, as well as for protective bibs and overalls for workers in the oil and gas, chemicals and power industries. Artex-150 fabric provides extra protection against fire, open flame and arc exposures. Inherent thermal protection cannot be washed away and it’s also durable and resistant to abrasion. There are some other excellent characteristics of Artex-series fabrics: light weight and breathability, which make the working process more comfortable. Due to integrated carbon antistatic yarn, Artex prevents building up electrostatic discharge (ESD) and eliminates the possibility of explosion in oil, gas and other industries. Artex aramid fabrics are compliant with main international standards including ISO 11612, ISO 11611, ISO EN 1149-3, NFPA 2112, NFPA 1975, ASTM F1506 etc.
ARTEX-180
93% META-ARAMID / 5% PARA-ARAMID/ 2% ANTISTATIC, 180 GSM, TWILL 2/1
FLAME RETARDANT, ANTISTATIC, MULTI-RISK

Army, Police

ARTICLE COMPOSITION WEIGHT WEAVE FULL WIDTH FINISHES
ARTEX-180 93% M-ARAMID, 5% P-ARAMID, 2% ANTISTATIC 180 GSM / 5.3 OZ TWILL 2/1 151 CM (±1 CM) / 60" INHERENT FR

PHYSICAL PARAMETERS:

<table>
<thead>
<tr>
<th>YARN TYPE</th>
<th>TEARING STRENGTH (ISO 13937-2)</th>
<th>TENSILE STRENGTH (ISO 13934-1)</th>
<th>SHRINKAGE (ISO 6530-2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARP</td>
<td>RING SPUN</td>
<td>36 N</td>
<td>&gt; 870 N</td>
</tr>
<tr>
<td>WEFT</td>
<td>RING SPUN</td>
<td>37 N</td>
<td>&gt; 820 N</td>
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COLOUR FASTENESS TO:

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<tr>
<th>WASHING 60°C (ISO 105 C06)</th>
<th>RUBBING (ISO 105 X12)</th>
<th>DRY CLEANING (ISO 105 D01)</th>
<th>PERSPIRATION (ISO 105 E04)</th>
<th>LIGHT (ISO 105 B02)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR CHANGE</td>
<td>COLOUR STAINING</td>
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<td>WET</td>
<td>DRY</td>
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<td>4-5</td>
<td>4-5</td>
<td>4-5</td>
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<td>4-5</td>
</tr>
</tbody>
</table>

STANDARD COLOURS:

BLACK #X601
ROYAL BLUE #X604
DARK NAVY #X602
GREEN #X609
RED #X603
ORANGE #X606
NAVY #X628

Artex-180 is an Inherent protective fabric made of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic, with weight of 180gsm, twill 2/1 weave.

SPECIFICATION:

CARE INSTRUCTIONS:
KEEP IN COOL DRY PLACE, WITH NO DIRECT SUNLIGHT

ISO 11611: Protective clothing for use in welding and allied processes
ISO 11612: Protective clothing — Clothing to protect against heat and flame
EN 1149-5: Protective clothing — electrostatic properties. Material performance and design requirements.
Artex-180 is an innovative inherent flame retardant fabric made of blended aramid fibers in composition of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. This fabric is best used in fire services, the military such as the marines, infantry, for flight suits, as well as for protective bibs and overalls for workers in the oil and gas, chemicals and power industries. Artex-180 fabric provides extra protection against fire, open flame and arc exposures. Inherent thermal protection cannot be washed away and it’s also durable and resistant to abrasion. There are some other excellent characteristics of Artex-series fabrics: light weight and breathability, which make the working process more comfortable. Due to integrated carbon antistatic yarn, Artex prevents building up electrostatic discharge (ESD) and eliminates the possibility of explosion in oil, gas and other industries. Artex aramid fabrics are compliant with main international standards including ISO 11612, ISO 11611, ISO EN 1149-3, NFPA 2112, NFPA 1975, ASTM F1506 etc.

ARTEX-180
93% META-ARAMID / 5% PARA-ARAMID / 2% ANTISTATIC, 180 GSM, TWILL 2/1 FLAME RETARDANT, ANTISTATIC, MULTI-RISK
Artex-210 is an Inherent protective fabric made of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic, with weight of 210gsm, twill 2/1 weave.

**SPECIFICATION:**

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>COMPOSITION</th>
<th>WEIGHT</th>
<th>WEAVE</th>
<th>FULL WIDTH</th>
<th>FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTEX-210</td>
<td>93% M-ARAMID, 5% P-ARAMID, 2% ANTISTATIC</td>
<td>210 GSM / 6.2 OZ</td>
<td>TWILL 2/1</td>
<td>151 CM (±1 CM)/ 60&quot;</td>
<td>INHERENT FR</td>
</tr>
</tbody>
</table>

**PHYSICAL PARAMETERS:**

<table>
<thead>
<tr>
<th></th>
<th>YARN TYPE</th>
<th>TEARING STRENGTH (ISO 13937-2)</th>
<th>TENSILE STRENGTH (ISO 13934-1)</th>
<th>SHRINKAGE (ISO 6530-2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARP</td>
<td>RING SPUN</td>
<td>41 N</td>
<td>&gt; 1000 N</td>
<td>≤ ± 3%</td>
</tr>
<tr>
<td>WEFT</td>
<td>RING SPUN</td>
<td>42 N</td>
<td>&gt; 1100 N</td>
<td>≤ ± 3%</td>
</tr>
</tbody>
</table>

**COLOUR FASTENESS TO:**

<table>
<thead>
<tr>
<th>WASHING 60°C (ISO 105 C06)</th>
<th>RUBBING (ISO 105 X12)</th>
<th>DRY CLEANING (ISO 105 D01)</th>
<th>PERSPIRATION (ISO 105 E04)</th>
<th>LIGHT (ISO 105 D02)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR CHANGE</td>
<td>COLOUR STAINING</td>
<td>DRY</td>
<td>WET</td>
<td>DRY</td>
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<tr>
<td>4-5</td>
<td>4-5</td>
<td>4-5</td>
<td>4-5</td>
<td>4-5</td>
</tr>
</tbody>
</table>

**STANDARD COLOURS:**

- BLACK #X601
- ROYAL BLUE #X604
- DARK NAVY #X602
- GREEN #X609
- RED #X603
- ORANGE #X606
- NAVY #X628

ISO 11611: Protective clothing for use in welding and allied processes
ISO 11612: Protective clothing — Clothing to protect against heat and flame
EN 1149-5: Protective clothing — electrostatic properties. Material performance and design requirements.
EN 15614: Test methods and performance requirements for wildland fire fighting clothing.
EN 469: Protective clothing for fire fighting

**CARE INSTRUCTIONS:**

KEEP IN COOL, DRY PLACE, WITH NO DIRECT SUNLIGHT
Artex-210 is an innovative inherent flame retardant fabric made of blended aramid fibers in composition of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. Artex-210 is also excellent with stands to rain, water, soil and grease and splashes of liquid chemicals (some alkali and acids) due to its repellent properties. This fabric is best used in fire services, the military such as the marines, infantry, for flight suits, as well as for protective bibs and overalls for workers in the oil and gas, chemicals and power industries. Artex-210 fabric provides extra protection against fire, open flame and arc exposures. Inherent thermal protection cannot be washed away and it’s also durable and resistant to abrasion. There are some other excellent characteristics of Artex-series fabrics: light weight and breathability, which make the working process more comfortable. Due to integrated carbon antistatic yarn, Artex prevents building up electrostatic discharge (ESD) and eliminates the possibility of explosion in oil, gas and other industries. Artex aramid fabrics are compliant with main international standards including ISO 11612, ISO 11611, ISO EN 1149-3, EN 469, NFPA 2112, NFPA 1975, ASTM F1506 etc.
Artex-260 is an Inherent protective fabric made of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic, with weight of 260gsm, twill 2/1 weave.

**SPECIFICATION:**

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>COMPOSITION</th>
<th>WEIGHT</th>
<th>WEAVE</th>
<th>FULL WIDTH</th>
<th>FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTEX-260</td>
<td>93% M-ARAMID, 5% P-ARAMID, 2% ANTISTATIC</td>
<td>260 GSM / 7.7 OZ</td>
<td>TWILL 2/1</td>
<td>151 CM (±1 CM)/ 60”</td>
<td>INHERENT FR</td>
</tr>
</tbody>
</table>

**PHYSICAL PARAMETERS:**

<table>
<thead>
<tr>
<th>YARN TYPE</th>
<th>TEARING STRENGTH (ISO 13937-2)</th>
<th>TENSILE STRENGTH (ISO 13934-1)</th>
<th>SHRINKAGE (ISO 6530-2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARP</td>
<td>RING SPUN 54 N</td>
<td>&gt; 1400 N</td>
<td>≤ ± 3%</td>
</tr>
<tr>
<td>WEFT</td>
<td>RING SPUN 43 N</td>
<td>&gt; 880 N</td>
<td>≤ ± 3%</td>
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</tbody>
</table>

**COLOUR FASTENESS TO:**

<table>
<thead>
<tr>
<th>WASHING 60°C (ISO 105 C06)</th>
<th>RUBBING (ISO 105 X12)</th>
<th>DRY CLEANING (ISO 105 D01)</th>
<th>PERSPIRATION (ISO 105 E04)</th>
<th>LIGHT (ISO 105 B02)</th>
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</thead>
<tbody>
<tr>
<td>COLOUR CHANGE</td>
<td>COLOUR STAINING</td>
<td>DRY</td>
<td>WET</td>
<td></td>
</tr>
<tr>
<td>4-5</td>
<td>4-5</td>
<td>4</td>
<td>4-5</td>
<td>4-5</td>
</tr>
</tbody>
</table>

**CARE INSTRUCTIONS:**

- KEEP IN COOL DRY PLACE, WITH NO DIRECT SUNLIGHT

**STANDARD COLOURS:**

- BLACK #X601
- ROYAL BLUE #X604
- DARK NAVY #X602
- GREEN #X609
- RED #X603
- ORANGE #X606
- NAVY #X628
Artex-260 is an innovative inherent flame retardant fabric made of blended aramid fibers in composition of 93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic. This fabric is best used in fire services, the military such as the marines, infantry, for flight suits, as well as for protective bibs and overalls for workers in the oil and gas, chemicals and power industries. Artex-260 fabric provides extra protection against fire, open flame and arc exposures. Inherent thermal protection cannot be washed away and it’s also durable and resistant to abrasion. There are some other excellent characteristics of Artex-series fabrics: light weight and breathability, which make the working process more comfortable. Due to integrated carbon antistatic yarn, Artex prevents building up electrostatic discharge (ESD) and eliminates the possibility of explosion in oil, gas and other industries. Artex aramid fabrics are compliant with main international standards including ISO 11612, ISO 11611, ISO EN 1149-3, NFPA 2112, NFPA 1975, ASTM F1506 etc.
ARAVIS-120

**FR-LINING**

Aravis FR-liner is designed for fire fighter turnout gear with a new level of moisture management properties. It is light, thin and inherently flame resistant.

**SPECIFICATION:**

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>COMPOSITION</th>
<th>WEIGHT</th>
<th>WEAVE</th>
<th>FULL WIDTH</th>
<th>FINISHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAVIS-120</td>
<td>50% META-ARAMID, 50% FR VISCOSE</td>
<td>120 GSM / 3.5 OZ</td>
<td>PLAIN 1/1</td>
<td>151 CM (±1 CM)/ 60”</td>
<td>INHERENT FR</td>
</tr>
</tbody>
</table>

**PHYSICAL PARAMETERS:**

<table>
<thead>
<tr>
<th></th>
<th>YARN TYPE</th>
<th>TEARING STRENGTH (ISO 13937-2)</th>
<th>TENSILE STRENGTH (ISO 13934-1)</th>
<th>SHRINKAGE (ISO 6530-2000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARP</td>
<td>RING SPUN</td>
<td>11.4 N</td>
<td>&gt; 423 N</td>
<td>≤ ± 3%</td>
</tr>
<tr>
<td>WEFT</td>
<td>RING SPUN</td>
<td>11.9 N</td>
<td>&gt; 415 N</td>
<td>≤ ± 3%</td>
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**COLOUR FASTNESS TO:**

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<th>WASHING 60°C (ISO 105 C06)</th>
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<th>PERSPIRATION (ISO 105 E04)</th>
<th>LIGHT (ISO 105 D02)</th>
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<tbody>
<tr>
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**STANDARD COLOURS:**

- **BLACK #X601**
- **ROYAL BLUE #X604**
- **DARK NAVY #X602**
- **GREEN #X609**
- **RED #X603**
- **ORANGE #X606**
- **NAVY #X628**

**CARE INSTRUCTIONS:**

- Keep in cool, dry place, with no direct sunlight

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EN 469: Protective clothing for firefighters - Performance requirements for protective clothing for firefighting.

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www.XMFireLine.com
Aravis FR-liner is designed for fire fighter turnout gear with a new level of moisture management properties. It is light, thin and inherently flame resistant.

The purpose of thermal liner is to be used as a part of 4-layer sandwich for firefighter`s turnout gear. Aravis-120 FR-liner provides comfort for the wearer as it thin and light (120 gsm). At the same time Aravis-120 transports perspiration away from skin. The blend of aramid and viscose fibers makes Aravis-120 very durable. It also gives high level of thermo-protection, due to its inherent Flame Retardant properties.
## ASSORTMENT OF ARTEX INHERENT FR-FABRICS

<table>
<thead>
<tr>
<th>#</th>
<th>FABRIC</th>
<th>COMPOSITION</th>
<th>WEAVE</th>
<th>STANDARDS</th>
<th>WASHING</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>ARTEX-150</td>
<td>93% Meta-Aramid/5% Para-Aramid/2% Antistatic</td>
<td>plain 1/1</td>
<td>ISO 11612</td>
<td>75 °C</td>
</tr>
<tr>
<td>2</td>
<td>ARTEX-180</td>
<td>93% Meta-Aramid/5% Para-Aramid/2% Antistatic</td>
<td>twill 2/1</td>
<td>ISO 11612, EN 1149-5</td>
<td>75 °C</td>
</tr>
<tr>
<td>3</td>
<td>ARTEX-210</td>
<td>93% Meta-Aramid/5% Para-Aramid/2% Antistatic</td>
<td>twill 2/1</td>
<td>ISO 11611, ISO 11612, EN 1149-5, EN 469</td>
<td>75 °C</td>
</tr>
<tr>
<td>4</td>
<td>ARTEX-260</td>
<td>93% Meta-Aramid/5% Para-Aramid/2% Antistatic</td>
<td>twill 2/1</td>
<td>ISO 11611, ISO 11612</td>
<td>75 °C</td>
</tr>
<tr>
<td>5</td>
<td>ARAVIS-120</td>
<td>50% Meta-Aramid/50% FR Viscose</td>
<td>plain 1/1</td>
<td>EN 469 (PENDING)</td>
<td>75 °C</td>
</tr>
</tbody>
</table>

Areas of use of aramid protective clothing are very diverse. Between them are flight suits for Air-force pilots, combat jackets and pants for Army, Navy and Police, especially for special forces like SWAT, Navy Seals and other elite squads. Another popular use of aramid fabrics is as Station uniform for firefighters.

Artex aramid fabrics are also can be used as coveralls in Auto or Moto-sport or as bibs, overalls, shirts, pants and jackets in Electric companies. Aravis-120, as FR-lining part of Multi-layer (so called Sandwich) aramid suits are used for some high-voltage works (HRC 3 and HRC 4 with ATPV > 40 cal/cm²). Sandwich aramid construction is also used for Wildland (EN 15614) and Structural firefighting as turnout or bunker gear.

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WE HAVE ALL THE CERTIFICATES MENTIONED IN THE TABLE ABOVE AND YOU CAN IMMEDIATELY HAVE ANY OF THEM BY YOUR FIRST REQUEST IN OUR OFFICES.

OUR COMPANY HAVE DONE PROFOUND AND SOPHISTICATED TESTING OF ALL OUR FLAME RETARDANT AND PROTECTIVE FABRICS IN THE WORLD-BEST TEXTILE TESTING LABORATORIES, SUCH AS BTTG (UK), KINECTRICS (CANADA) AND AITEX (SPAIN).

BUYING OUR FABRICS YOU CAN BE SURE IN OPTIMAL SAFETY OF YOUR WORKERS.
Certificate of Test

We hereby declare that the fabric described below has been tested by BTTG Fire Technology Services according to EN 15025:2007 clauses 6.2, 6.3, 6.5, 6.4, 7.1, 7.2, 6.1, 6.2 and 9.1 and achieved the following results:

- Clause 6.2 Flame spread - Face ignition: PASS
- Clause 6.3 Flame spread - Edge ignition: PASS
- Clause 6.3 Heat transfer (radiation): PASS
- Clause 7.1 Tensile strength: PASS
- Clause 7.2 Tear strength: PASS
- Clause 8.1 Thermal resistance: PASS
- Clause 8.2 Water vapour resistance: PASS
- Clause 8.1 Dimensional change: PASS

Pre-treatment: Where applicable, five washing cycles according to ISO 6330:2000 Procedure 3A (60°C) with tumble drying (Procedure E) (max. 70°C out temperature).

The full details of the test(s) and the result(s) are given in our report Ref. 30/07/14 (dated 7 November 2014).

Description of sample tested:
- Dark navy woven fabric, referenced Code: Nomex IIA-210; Article: ARTEX - 210
- Composition: 95% Meta-Aramid / 5% Para-Aramid / 2% Aramidic 20gsm, twill 2/1 FR

Sample submitted by:
- XM Textiles
- Office 2402-2403, 24th Floor
- Zhongyi International Commercial Plaza
- 1829 Zhongshan North Road
- Shanghai
- China
- Zip: 200081

Certificate Authorised by: P. M. Collinson
- Lab Technician
- Date: 13 November 2014

The declaration in this test certificate applies to the actual sample tested and to the specified tests carried out as detailed in the referenced report(s) detailed above.

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