ARCSTAR
Electric Arc Protection
Protection YOU Deserve

Why ARCSTAR?

An electric arc is a continuous or brief electrical discharge with very high current between two conductors at a distance. An electric arc is attended with a very bright light and intensive heat. An electric arc represents a very serious threat because of the risk of severe burns, with potentially fatal consequences, caused by intense heat. The electric arc also generates other potential dangers, for example intense light, a pressure wave, noise or toxic fumes.

People working in the electrical industry place themselves in the line of danger while repairing blown transformers, replacing downed power lines and handling other jobs where high voltage is a constant threat.

Traditional fabrics like cotton or polyester continue burning, melt or drip in case of an electric arc.

ARCSTAR Protective Clothing can protect workers under these and similar situations and can help to reduce the chance of long-term injury or death.

Application Areas

- Electrical Utilities
- Power Distributions
- Power Plants
- Railways
- Engineering Projects
- Refineries
- Shipbuilding
- Automotive Industry

Requirements for protective clothing that protects against electric arcs

Naturally, there are requirements for the protection against the thermal effects of an electric arc. This can, according to the standard, be done in two ways. Depending on the needs of the user one or both of the methods should be applied. The open arc method described in EN 61482-1-1, while the box test falls in the EN 61482-1-2.

The open arc method determines, inter alia, the Arc Thermal Protection Value (ATPV). This must be at least 167,5 kJ/m^2 (4 cal/cm^2). A higher value means better protection. The necessary ATPV value can be determined by a risk analysis.

At the box test, the class is determined depending on the test conditions and the measured thermal protection. Class 1 is the minimum, and thereby corresponds to an arc of 4 kA, for 500 ms and at a distance of 30 cm. The test for Class 2 makes use of a short-circuit current of 7 kA.

KIVANÇ Group

YOU

ARCSTAR

HENRY

834220 - Jacket & Trousers

HENRY | Jacket & Trousers

ATPV 34 cal/cm²

Model Details

JACKET

- Front flap closed by means of a zipper and Velcro tapes
- Chest pocket with flap closed by means of Velcro tapes
- Name tag on chest pocket flap
- 2 patch pockets at hem with flap closed by means of Velcro tapes
- J-Style back bellow for easy movement ❶
- Cuff adjustment with bellow and Velcro tapes ❷
- Hem adjustment by means of Velcro tapes ❷
- Armpit gusstes for easy arm movement
- 5 cm wide silver reflective tapes on chest, back and arms

TROUSERS

- Slash pockets
- Bellow cargo pockets on both sides of the legs ❸
- Back pocket on right side with flap closed by means of Velcro tapes
- Elastic waist and loops ❹
- Trotter adjustment with bellow and Velcro tapes ❺
- 5 cm wide silver reflective tapes on legs

846

Outershell Fabric

Fire Blocker 220 g/m² 2/2 Twill

93% Meta aramid, 5% Para aramid, 2% Antistatic

Inner Linning

Fire Blocker 220 g/m² 2/2 Twill

93% Meta aramid, 5% Para aramid, 2% Antistatic

EN ISO 11612 A1 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class2 (7kA) | EN 61482-1-1 ATPV 34 cal/cm² | DARK BLUE

KIVANÇ Group

YOU

ARCSTAR

MARCO

837270 - Jacket & Trousers

www.kivancgroup.com

MARCO | Jacket & Trousers

Model Details

JACKET

- Comfort-enhancing back bellows ❶
- 5 cm wide yellow-silver-yellow reflective tapes on sleeves ❶
- Cuff adjustment by means of a Velcro tape and buckle ❷a ❷b ❷c
- 5 cm wide yellow-silver-yellow reflective tapes on sleeves
- Silver segmented reflective tape on the back of jacket
- Hem adjustment by means of a Velcro tape and buckle
- Chest pockets with flaps closed by means of Velcro tapes
- Lower welt pockets with flaps ❸
- Front flap closed by means of a zipper and Velcro tapes
- Interior design with red lines

TROUSERS

- Semi bellow cargo pockets with flaps closed by Velcro tape ❹
- Ergonomic cut of trousers waist ❺
- 5 cm wide yellow-silver-yellow reflective tapes ❺
- Elastic belt system ❻
- Slash pockets
- Semi bellow cargo pockets on the back with flaps closed by Velcro tape ❻
- Trotter adjustment by means of Velcro tapes and buckle ❼

335

Fire-Blocker 200 g/m² 2/1 Twill

93% Meta-aramid, 5% Para-aramid, 2% Antistatic

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class1(4kA) | EN61482-1-4ATPV 7,5 cal/cm2

DARK BLUE ROYAL BLUE | DARK BLUE GREY

KIVANÇ Group

YOU

ARCSTAR

ADAM

837275 - Jacket & Trousers

ADAM | Jacket & Trousers

ATPV 8 cal/cm²

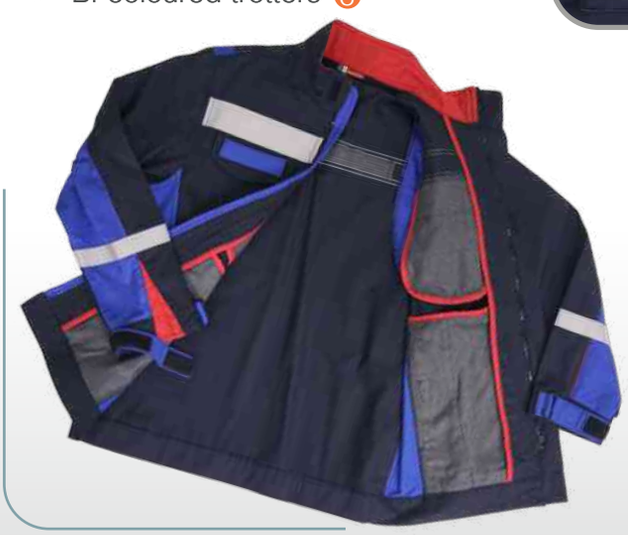
Model Details

JACKET

- Comfort-enhancing J-type back bellows 1a
- Elastic tape and tunnel for J-type bellow 1b
- Additional piece of fabric on armpit for comfortable movement
- Cuff adjustment by means of a Velcro tape and buckle 2
- 5 cm wide silver reflective tapes on chest and back
  3 cm wide silver reflective tapes on sleeves
- Lower welt pockets
- Hem adjustment by means of a Velcro tape and buckle
- Front flap closed by means of a zipper and Velcro tapes
- Interior design with orange lines

TROUSERS

- Semi bellow side cargo pockets with silver reflective bias tape 3
- Back pocket on the right with flaps and silver reflective bias tape 4
- Slash pockets
- Elastic belt system 5
- Trotter adjustment by means of Velcro tape and buckle
- Trousers front closed by means of a zipper and button
- 3 cm wide silver reflective tapes
- Bi-coloured trotters 6



342

Body Guard 250 g/m² 2/1 Twill

55% Viscose FR, 44% Meta-aramid, 1% Antistatic

EN ISO 11612 A1A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN ISO 11611 Class 1 | EN 61482-1-1 8,7 cal/cm²

DARK BLUE / ROYAL BLUE | ROYAL BLUE / ORANGE | BLACK / GREY

KIVANÇ Group

YOU

ARCSTAR

LUCAS

829257 - Waterproof Jacket

www.kivancgroup.com

LUCAS | Waterproof Jacket

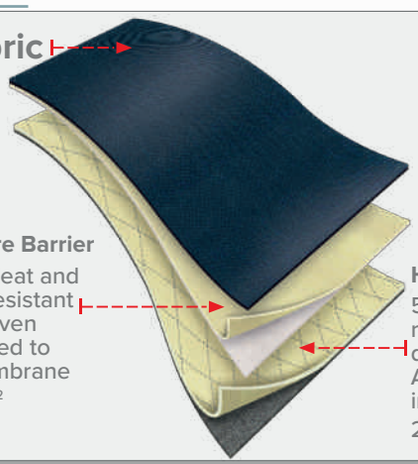
Model Details

- Water and windproof hood with drawcord, detachable by means of a zipper 1
- Jacket has a moisture barrier, all seams are seam-sealed to prevent water leakage
- Front flap closure by means of a zipper and Velcro tapes
- Chest patch pockets with flaps closed by means of Velcro tapes 2
- Velcro tapes to fix name and blood type tags 2
- Radio, flashlight and gas detector loops above the chest pockets 2
- Lower patch pockets with flaps
- 2.5 cm wide segmented silver reflective tapes on chest 2
- Cuff adjustment by means of Velcro tape 3
- Pen pockets on both sleeves 4
- Velcro tape on right sleeve for logo 4
- Comfort-enhancing back bellows
- Inner pocket
- 5 cm wide yellow-silver-yellow reflective tapes on sleeves, chest and hem 5
- Adjustable jacket hem by means of Velcro tape

883

Outershell Fabric

380 Fire Blocker
220 g/m² 2/2 Twill
93% Meta aramid,
5% Para aramid,
2% Antistatic



Moisture Barrier
4000 Heat and flame resistant non-woven laminated to PU membrane
90 g/m²

Heat Barrier
5003 Heat and flame resistant non-woven quilted to Aramid/Viscose FR inner lining
250 g/m²

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class2(7kA) | EN 61482-1-2 Class1(4kA)

DARK BLUE | ROYAL BLUE | ORANGE

KIVANÇ Group

YOU

ARCSTAR

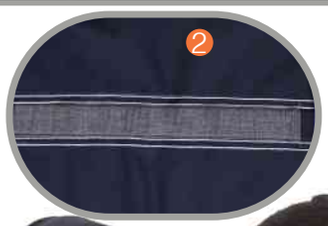
PETER

838201 - Coverall

PETER | Coverall

Model Details

- 5 cm wide yellow-silver-yellow reflectives tape on chest, back and legs
- Comfort-enhancing flexible waist system for easy and comfortable body movement (1)
- Comfort-enhancing J-type back bellows
- Elastic tape and tunnel for J-type bellow (2)
- Comfort-enhancing J-type back bellows (3)
- Radio, flashlight and gas detector loops above the chest pockets
- Pen pocket on both sleeves
- Cuff adjustment by means of snap buttons
- Slash pockets
- Side bellow cargo pockets with flaps and Velcro tape
- Tool pockets and loops
- Back patch pocket with flap closed by Veclro tape
- 5 cm wide yellow-silver-yellow reflective tapes on chest, back and legs
- Front flap closed by means of a zipper and Velcro tapes



305	**Fire-Blocker 155** g/m² 1/1 Plain 93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)		DARK BLUE, ROYAL BLUE, RED
335	**Fire-Blocker 200** g/m² 2/1 Twill 93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	EN 61482-1-1 ATPV 7,5 cal/cm2	DARK BLUE, ROYAL BLUE, RED, ORANGE
342	**Body-Guard 250** g/m² 2/1 Twill 55% Viscose FR, 44% Meta-aramid, 1% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-1 ATPV 8,7 cal/cm2	EN ISO 1161 Class 1	DARK BLUE, ROYAL BLUE, RED, ORANGE, DARK GREY

KIVANÇ Group

YOU

ARCSTAR

SIMON

839116 - Shirt

SIMON | Shirt

Model Details

- Cellulosic sweat absorbing lining on collar
- Velcro tapes for name and blood tags on the patch pockets flaps
- Pen pocket on both sleeves 1
- 5 cm yellow-silver-yellow reflective tapes on back and sleeves 1
- Chest patch pockets with flaps closed by snap buttons 2
- Velcro tape on left sleeve for logo
- Cuff adjustment by means of Velcro tape 3
- Radio, flashlight and gas detector loops above the chest pockets
- Front part closed by means of hidden snap buttons
- Back yokes for easy and comfortable body movement

305	**Fire-Blocker 155** g/m² 1/1 Plain 93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, ROYAL BLUE, RED
345	**Body Guard 160** g/m² 1/1 Plain 55% Viscose FR, 44% Meta-aramid, 1% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	SKY BLUE, ROYAL BLUE, ORANGE

KIVANÇ Group

YOU

ARCSTAR

BRICE

839114-Shirt

BRICE | Shirt

Model Details

- » Front closure by means of hidden buttons 1
- » 2 chest pockets with flaps closed by means of Velcro tapes 1
- » Cuff adjustment by means of buttons
- » Elbow reinforcements with contrast color 2

345 **Body Guard 160** g/m² 1/1 Plane
55% Viscose FR, 44% Meta-aramid, 1% Antistatic

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class1(4kA)

ROYAL BLUE, ORANGE

305 **Fire-Blocker 155** g/m² 1/1 Plane
93% Meta-aramid, 5% Para-aramid, 2% Antistatic

EN ISO 11612 A1 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class1(4kA)

ROYAL BLUE, RED, DARK BLUE, BLACK

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ARCSTAR

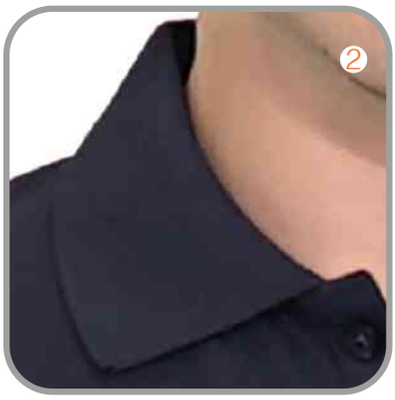
CARL

822146 - Polo-Shirt

CARL | Polo-Shirt

Model Details

- » Hidden buttons ❶
- » Knitted Polo collar ❷
- » Rib knitted cuffs ❸
- » Stitched hem
- » 100% Aramid sewing thread



351	**Body-Guard 220** g/m² Supreme 55% Viscose FR, 44% Meta-aramid, 1% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, ROYAL BLUE	ORANGE
408	**Fire-Blocker 190** g/m² Supreme 93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, ROYAL BLUE	GREY
326	**Para Vis 180** g/m² Supreme 55% Viscose FR, 44% Meta-aramid, 1% Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, RED	GREY
327	**Para Vis 230** g/m² Supreme 93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, RED	GREY

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YOU

ARCSTAR

DEAN-DEREK
Jacket - 829374
Trousers - 828114

DEAN-DEREK | Jacket & Trousers

ATPV 40 cal/cm²

Model Details

JACKET

- Front flap closed by means of a zipper and Velcro tapes
- Back bellow for easy movement
- Cuff adjustment with Velcro tapes
- Knitted cuff for additional protection ❶

TROUSERS

- Bib trousers with elastic suspenders ❷
- Buckles for suspender height adjustment ❷
- Waist adjustment with buttons and Velcro tapes ❸
- Front closure by means of Velcro tapes
- Trotter adjustment by means of Velcro tapes

804

Outershell Fabric

Nomex Comfort 225 g/m² 2/1 Dimi Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

Heat Barrier

Heat and flame resistant non-woven quilted to Aramid/Viscose FR inner lining

EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class2 (7kA)	EN 61482-1-1 ATPV 53.4 cal/cm²

DARK BLUE

KIVANÇ Group

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ARCSTAR

DUSTIN

835108z - Over Jacket

DUSTIN | Over Jacket

ATPV
25
cal/cm²

Model Details

- Right and left flap for better protection in front
- Front flaps closed by means of a zipper and Velcro tape
- High collar for better protection
- Long over jacket will knee
- Cuff adjustment with Velcro tapes

846

Outershell Fabric

Fire Blocker 220 g/m² 2/2 Twill
93% Meta aramid, 5% Para aramid, 2% Antistatic

Inner Lining

Fire Blocker 220 g/m² 2/2 Twill
93% Meta aramid, 5% Para aramid, 2% Antistatic

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class 2(7kA) | EN 61482-1-1 ATPV 34 cal/cm2

DARK BLUE

802

Outershell Fabric

Nomex Comfort 225 g/m² 2/1 Twill Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

Inner Lining

Nomex Comfort 225 g/m² 2/1 Twill Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class 2(7kA) | EN 61482-1-1 ATPV 28,9 cal/cm2

DARK BLUE

KIVANÇ Group

YOU

ARCSTAR

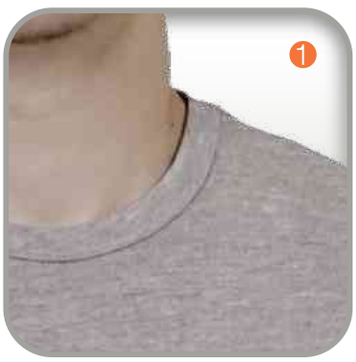
DANNY

822131 - Round Collar T-Shirt

DANNY | Round Collar T-Shirt

Model Details

- » Collar made from main fabric ❶
- » Cuffs made from main fabric ❷
- » Stitched hem
- » 100% Aramid sewing thread



351	**Body-Guard 220** g/m² Supreme %55 Viscose FR, %44 Meta-aramid, %1 Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, ROYAL BLUE, ORANGE
408	**Fire-Blocker 190** g/m² Supreme %93 Meta-aramid, %5 Para-aramid, %2 Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, ROYAL BLUE, GREY
326	**Para Vis 180** g/m² Supreme %55 Viscose FR, %44 Meta-aramid, %1 Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	GREY
327	**Para Vis 230** g/m² Supreme %93 Meta-aramid, %5 Para-aramid, %2 Antistatic	EN ISO 11612 A1 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class1(4kA)	DARK BLUE, RED, GREY

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ARCSTAR

JASPER

844117 - Trousers

JASPER | Trousers

Model Details

TROUSERS

- Slash pockets
- Patch pockets on both sides of legs with flaps closed by means of Velcro tapes 1
- 2 Patch pockets on back with flaps closed by means of Velcro tapes 2
- Loops on both sides to be used as tool holders
- Elastic waist with loops
- Front closure with a zipper and a button
- 5 cm wide yellow-silver-yellow reflective tapes on legs

380	**Fire-Blocker 220** g/m²	2/2 Twill	93% Meta-aramid, 5% Para-aramid, 2% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class 1 (4kA)	EN61482-1-1ATPV 12,6 cal/cm2	DARK BLUE
335	**Fire-Blocker 200** g/m²	2/1 Twill	93% Meta-aramid, 5 %Para-aramid, 2% Antistatic	EN ISO 11612 A1 A2 B1 C1 F1	EN 1149-3 EN 1149-5	EN 61482-1-2 Class 1 (4kA)	EN61482-1-1ATPV 7,5 cal/cm2	DARK BLUE

ERIC | Underwear

Model Details

- Underwear designed to wear inside non-flammable clothing in a cold environment
- Round collar
- Long sleeves, long johns
- Skin-friendly, breathable technical knit
- 100% Aramid sewing thread

408

Fire-Blocker 190 g/m² Interlock

93% Meta-aramid, 5% Para-aramid, 2% Antistatic

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class1(4kA)

DARK BLUE | ECRU | SAGE GREEN

KIVANÇ Group YOU

ARCSTAR

ERIC

854106 - Underwear

NICK | Hood

ATPV 38 cal/cm²

Model Details

- Double Layer Hood
- Ergonomic design in the form of head and neck
- Ergonomic face opening
- Special stitching preventing thickness on sewing area for comfortable skin-friendly wearing
- 100% Aramid sewing thread

Fire-Blocker 250 g/m²

822

Outershell Material

Fire-Blocker 250 g/m² Interlock
93% Meta-aramid, 5% Para-aramid, 2% Antistatic

Inner Lining

Fire-Blocker 250 g/m² Interlock
93% Meta-aramid, 5% Para-aramid, 2% Antistatic

EN 13911 | EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-1 ATPV 38,9 cal/cm2

DARK BLUE | ECRU | SAGE GREEN

KIVANÇ Group YOU

ARCSTAR

NICK

825105 - Hood

KIVANÇ Group

YOU

ARCSTAR

LUKE

827119 - Hood

LUKE | Hood

ATPV 12 cal/cm²

Model Details

- » Replaceable Visor by means of Velcro tapes
- » Cap connected to the hood by means of Velcro tapes
- » Long front part for better protection
- » Visor could be protected when not in use by folding the front part and fixing with Velcro tape ❶
- » This hood is certified according to EN 166, EN 170 and GS-ET-29 Class 2
- » Visor ATPV - 12 cal/cm²
- » Fabric ATPV - 34 cal/cm²

846

Outershell Fabric

Fire Blocker 220 g/m² 2/2 Twill

93% Meta aramid, 5% Para aramid, 2% Antistatic

Inner Lining

Fire Blocker 220 g/m² 2/2 Twill

93% Meta aramid, 5% Para aramid, 2% Antistatic

EN ISO 11612 A1 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class2 (7kA) | EN61482-1-1ATPV 34 cal/cm²

DARK BLUE

KIVANÇ Group

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ARCSTAR

OWEN

827121 - Visor with Chin Protector

OWEN | Visor with Chin Protector

ATPV 25 cal/cm²

Model Details

- The set includes
  - -Visor
  - -Helmet Adaptor
  - -Fabric chin protector
- Enhanced comfort compared to plastic chin protector
- Increased protection area compared to plastic chin protector
- This hood is certified according to EN 166, EN 170 and GS-ET-29 Class 2
- Visor ATPV - 25 cal/cm²
- Fabric ATPV - 53.4 cal/cm²

804

Outershell Fabric
Nomex Comfort 225 g/m² 2/1 Twill Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

Heat Barrier
Heat and flame resistant non-woven quilted to Aramid/Viscose FR inner lining

EN ISO 11612 A1 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class2 (7kA) | EN61482-1-1ATPV 53,4 cal/cm²

DARK BLUE

KIVANÇ Group

YOU

ARCSTAR

LEO

827110 - tHood

LEO | Hood

ATPV 40 cal/cm²

Model Details

- Replaceable Visor by means of Velcro tapes
- 3M H700 helmet connected to the hood by means of Velcro tapes
- Long front part for better protection
- Ergonomic design covering the head, throat and shoulder area
- This hood is certified according to EN 166, EN 170 and GS-ET-29 Class 2
- Visor ATPV - 40 cal/cm²
- Fabric ATPV - 53.4 cal/cm²

804

Outershell Fabric

Nomex Comfort 225 g/m² 2/1 Dimi Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

Heat Barrier

Heat and flame resistant non-woven quilted to Aramid/Viscose FR inner lining

EN ISO 11612 A1 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 61482-1-2 Class2 (7kA) | EN 61482-1-1 ATPV 53.4 cal/cm²

DARK BLUE

ATPV
40
cal/cm²

804

Outershell Fabric

Nomex Comfort 225 g/m² 2/1 Twill Ripstop
93% Meta aramid, 5% Para aramid, 2% Antistatic

Heat Barrier

Heat and flame resistant non-woven quilted to Arami/Viscose FR inner lining

EN ISO 11612 A1 A2 B1 C1 F1 | EN 1149-3 EN 1149-5 | EN 388 Level 4 | EN 61482-1-1 ATPV 53.4 cal/cm²

DARK BLUE

KIVANÇ Group

YOU

ARCSTAR

RONALD

805101-Gloves

www.kivancgroup.com

380

File Blocker 220 g/m² 2/2 Twill
93% Meta aramid, 5% Para aramid, 2% Antistatic

100% Leather

EN ISO 11612 A1 A2 B1 C1 F1

EN 388 Level 3

EN 61482-1-2 Class1(4kA)

DARK BLUE

GREY

KIVANÇ Group

YOU

ARCSTAR

RUSSELL

805106-Gloves

www.kivancgroup.com

KIVANÇ Group

YOU

ARCSTAR

TED

890123 - Aramid Belt