



Flame Retardant

Firehood Standard IV - double layer for Firefighters

Material: Nomex® Comfort / Viscose FR

Item Number : 8227-213019-56 Dark blue



- Permanently flame-retardant, non-melting and non-dripping, compliant **EN 13911**
- Permanently hydrophilic with excellent moisture management and fast drying
- Antibacterial treatment
- Pigmented colors for highest color fastness to light, laundry, sweat, friction and chemical cleaning
- Ergonomic fit with attached Pellerine for better hold under the jacket
- Flat seams to avoid pressure points
- High stretchability rubber in the field of vision for optimum fit and hood function



FUCHSHUBER TECHNO-TEX

HERSTELLUNG TEXTILER HOCHLEISTUNGSARTIKEL
FÜR KÖRPERSCHUTZ UND ZUR TECHN. ANWENDUNG

Declaration of conformity

with the essential requirements of Regulation (EU) 2016/425

The manufacturer

Fuchshuber Techno-Tex GmbH
Wilhelmstrasse 160-164
72805 Lichtenstein

hereby declares that the following product

Product name: Fire hood

Article number: 8227-213019

complies in its design and manufacture as sold by Fuchshuber Techno-Tex GmbH with the essential requirements of Regulation (EU) 2016/425.

The notified body STFI e.V. NB 0516 has issued the EU type examination certificate No V0087 / 18-0140 / 18. It is suitable in accordance with EN 13911: 2017 as a protective cover for the fire brigade.

The fire hood is subject to the following conformity assessment procedure: Module C2 under the supervision of the notified body STFI e.V. NB 0516 Saxon Textile Research Institute (STFI), Annaberger Strasse 240, D-09125 Chemnitz,

Scope of application:

Fire hood to be worn with protective clothing, breathing apparatus and helmet.

The design features and performance requirements of the hood serve to protect the head and neck against the effects of heat and flame. Fire hoods can be used for a variety of purposes, both above and below the respirator, and for various types of helmets.

Personal protective equipment to protect against short-term contact with flames, radiant heat, or the interaction of these hazards.

The fire hood is made of a Nomex® Comfort / Viscose FR compound with a permanent antistatic component. The knitwear is permanently flame retardant unless the knitwear is adversely affected by combustible soiling.

The fire hood is part of a fire-fighter protective clothing and serves to protect specific body regions (head and neck area) of firefighters during various types of firefighting operations.

Compatibility with other types of protective clothing is the responsibility of the user and may need to be re-examined.

Description of the specific design features

The protective cover has been designed in accordance with DIN EN 13911: 2017-11 protective clothing for the fire brigade and is also compliant with the requirements of the new PPE regulation of the European Union (REGULATION (EU) 2016/425).

Raw materials

According to the state of the art, in the selection of the fiber materials for the fire protection hood inherently flame-retardant fibers are blended with FR additives produced fibers. In order to counteract permanent flame retardancy in terms of multiple uses / washes, good heat insulation properties and a possible heat accumulation of the carrier or to give permanent antistatic properties of the fire hood, the following fibers are combined in the basic material of the protective hood.

- 1.) Meta- and para-aramid fiber blend (Nomex® Comfort, DuPont®).
As a non-melting, inherent FR fiber, the Nomex® Comfort protective cover is responsible for the main performance / basic structure in terms of flame retardancy. By using comfort fibers produced by a finer count, comfort is enhanced by the soft aramid fiber component in the sensitive area of the face for the wearer. The content of Kevlar® (para-aramid) prevents it from a break open during a flame.
- 2.) Viscose FR (Lenzing)
The flame-retardant modified, non-melting cellulosic FR viscose fiber can absorb body moisture, which is formed by sweating, to an increased degree and to bring it to evaporate again by capillary action on the body side. By this mechanism, evaporative cooling is generated and additionally supports the body's own heat regulation of the wearer or counteracted a heat accumulation in the wearer.
- 3.) Carbon fiber
By using the hard-to-burn, non-melting and permanently conductive carbon fiber, an antistatic charge of the hood is counteracted. This counteracts the use of a possible ignition of flammable or explosive gases, liquids, mixtures or dusts by so-called sparking in the environment of the wearer.
- 4.) Sewing thread:
Meta-aramid

Textile surface formation

In order to take the various head shapes of the wearers into account, different helmet shapes and the use of the fire protection hood under respiratory protection EN 137 resp. heavy respiratory protection EN136, the different fibers were flexibly knitted together as knitwear with a weight per unit area of 180 g / m² and finished in two layers. The highly flexible knit fabric can adapt to the various shapes without lowering the protective functions or the physiological wear profile when worn / during mission. Likewise, the fabric is quiet, which does not limit the wearer's hearing

Ready-made clothing

By ergonomic design the visual field of a possible visual impairment of the wearer is counteracted; this at the same time with maximum protection of the head and neck.

Due to the flexible design of the textile fabric, the fact is considered that the protective hood rests as close as possible and without folds on the head and neck without hindering the wearer. As a result, even slipping of the hood in use is largely avoided. In addition to the soft Nomex® Comfort staple fibers, a comfortable fit is also ensured by flat-fitting or flatlock seams, which are also made with FR-protected sewing threads.

Proof of the required performance

The protective cover is made of a Nomex® Comfort / Viscose FR blend with permanent antistatic component. The knitwear is permanently flame retardant, unless the knitwear is adversely affected by combustible soiling.

The individual fiber components are known flame retardant, but in a textile PPE always the entire system must be checked. That's why the whole hood was examined according to EN 13911: 2017 "Protective clothing for the fire brigade". And according to EU-Type Examination Certificate No. V0087 / 18-0140 / 18, it also complies with the requirements of the new PPE Regulation of the European Union (REGULATION (EU) 2016/425).

Practical experience

Many years of use in practice, the fire protection hood described here in detail that the performance profile meets the requirements. In no single case, there were complaints from customers / emergency services, especially in terms of protective effects. These practical experiences are also congruent for identically constructed protective hoods which we distribute in other segments (for example in the automobile racing / Formula 1 or the police use).

Regular quality checks:

Regular checks in the context of quality assurance confirm a constant quality of the protective hood.

The protective cover is used in conjunction with product monitoring according to module C2 by the STFI NB 0516.

Textile labeling

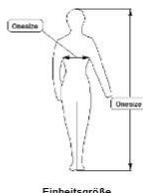
63% Viscose, 32% Nomex®, 5% Elastane

FUCHSHUBER TECHNO-TEX GMBH
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Kopfschutzhaube
8227-213019-FB

63% Viskose
32% Nomex®
5% Elasthan



Ort: Lichtenstein,

Datum: 20.12.2018

(Unterschrift)