

TECHNICAL DATA SHEET

NOMEX FIREFIGHTER SUIT, CONTRASTING REFLECTING TAPE CP1521CO

Certifications: EN 469:2020, EN 1149-5:2018, EN ISO 20471:2013 – partially, EN ISO 13688:2013



Description: Consists of jacket and trousers.

Jacket:

- Closes with a detachable zipper, with additional closure over its entire length with velcro bands
- Three pockets with Velcro tape closed flaps, two positioned at the bottom and one at the top of the left chest
- The sleeves are straight, fitted with adjustable velcro straps
- A circular row of contrasting reflective tape is applied on the chest, waist, and two rows of tape are applied on the sleeves

Trousers:

- Zipper closure and a velcro band
- The waistband is adjustable with elastic on both sides
- Trousers are fully lined and have external knee pockets for the kneepads
- A circular row of contrasting reflective tape is applied on the lower part of the trousers

Materials:

- Outer layer: NOMEX® Delta T 75% Meta-Aramid+23% Para-Aramid+2%antistatic fibers
- Thermal insulating layer: non-woven aramid fibers
- Intermediate layer: breathable PU membrane Inner lining: 50% aramid FR fibers + 50% FR viscose
- FR metallic zippers and FR Velcro band
- FR silver and yellow reflective tape

Protection:

- ensures the protection of the upper and lower parts of the body, neck, arms and legs against the effects of heat and fire, contact with flame, convection and radiation heat
- protection against penetration of water and light spray with acidic or basic solutions of medium concentration and solvents
- signaling the presence of the user in environments with low visibility.

Performance levels:

▪ **EN 1149-5:2018 – antistatic garments**

- Half decay time, $t_{50\%}$: < 4s,
- Shielding factor S: > 0,2.

▪ **EN 469:2020 – firefighter garments**

- X2 contact heat transfer– nivel 2
- X2 convection heat transfer– nivel 2
- X2 radiation heat transfer – nivel 2
- Y2 waterproofing – nivel 2
- Z2 breathability – nivel 2
- rejection rate of liquid chemicals (sulphuric acid 30% și o-xylen) over 80%

▪ **EN ISO 14116:2015 – protection against flame**

- Limited flame spread index 3

▪ **EN ISO 20471:2013 – high visibility garments**

- partially (only the requirements for the reflective tape)