

**WEAR  
THE HOOD  
THAT'S WAY  
AHEAD.**



**INNO**TEX  
**GRAY**<sup>™</sup>

Particulate-Blocking Hoods

**INNO**  
**TEX**  
BE STRONG.  
BE SAFE.

# SHIELD YOURSELF FROM CONTAMINANTS.

## TOXIC MICROSCOPIC CARCINOGENIC PARTICLES CAN TRAVEL THROUGH TRADITIONAL KNITTED HOODS.

When you set foot on the scene of a fire, you immediately come in contact with microscopic carcinogenic particles generated by burning materials. While we know that breathing in these cancer-causing particulates is dangerous, studies show that absorbing these toxins through the skin is just as harmful. Unseen and imperceptible, these toxic microscopic particulates can travel through traditional knitted hoods and accumulate on your skin, especially on the highly absorptive areas of the neck, jaw and throat. As a firefighter, you face intense heat and work up a sweat. All this heat opens up skin pores, increasing its ability to absorb toxins. Traditional hoods were designed to protect against heat, not carcinogenic particles. Today's particulate-blocking hoods are a vital investment in your continued health and safety.

### For every 5-degree increase in skin temperature, contamination risk increases by 400%.

Following the lungs, the skin is the body's second largest organ by surface area, and is highly absorptive. Some areas of skin are more permeable than others. These include the face, the angle of the jaw, the neck and throat. Skin's permeability increases with temperature. As you get hot, the pores open up and the absorption capacity of the skin increases. The higher the temperature, the more permeable your skin becomes. For every 5-degree increase in skin temperature, absorption and the risk of contamination increase by 400%<sup>1</sup>.



## FIREFIGHTER CANCER QUICK FACTS

Research shows that firefighters have higher cancer risks than the general population, and their risks are significantly higher for some specific cancers.

**9%** Firefighters have a 9% higher risk of being diagnosed with cancer than the general population.<sup>1</sup>

**14%** Firefighters have a 14% higher risk of dying from cancer than the general population.<sup>1</sup>

**61%** Cancer has caused 61% of career firefighter line-of-duty deaths since 2002. Heart disease caused 18% of the line-of-duty deaths.<sup>2</sup>

<sup>1</sup> Firefighter Cancer Support Network  
<sup>2</sup> IAFF data from Jan 1, 2002  
to March 31, 2017

# NEW INNOTEX® GRAY™ HOOD PREVENT NANO

MADE WITH STEDAIR® PREVENT CLEAR

**NOT MADE WITH PFAS**

## A Full coverage

Stedair Prevent particulate-blocking barrier – not made with PFAS – throughout the entire hood.

## B Extra-long asymmetric length: 24" front & 22" back

Provides complete chest and shoulder coverage. Ensures your hood stays securely tucked in, preventing particulate entry at the coat-to-neck interface.

## C Multi-panel design

Ensures a snug fit and proper seal with your SCBA, no matter the head movement, even tilted backward.

## D 2-layer hood with Stedair Prevent Clear

The Stedair Prevent Clear technology is designed to be lightweight, thin, and flexible, offering superior moisture management and thermal resistance. The viscose liner provides a soft, cool feeling on your skin and boasts moisture-wicking properties to keep you drier and more comfortable. Form-fitting knit allows a comfortable fit that conforms to the contours of your head.

## E Heavy-duty 1/2" elastic sewn into face opening

Ensures a snug fit and proper seal with your SCBA even when you move your head. Stretches for easy donning without ever losing its shape.

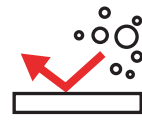
## F Flatlock seams

Stronger yet low profile seams ensure a more comfortable fit. Sewn with spun Nomex thread for optimal quality.



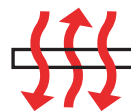
## Not made with PFAS

The hood and its components are not made with PFAS.



## Blocks more than 98%\* of particles

Stedair Prevent Clear particulate-blocking barrier blocks more than 98% of particles as small as 0.1 to 1.0 microns.



## Air permeable

Allows clean air to flow through and lets moisture escape efficiently to help reduce the risk of heat stress.



## Superior comfort

Lightweight, breathable and ergonomically-designed to ensure a comfortable fit.



## Durable

Maintains its particulate-blocking effectiveness even after 100 washes. Face opening retains its snug fit to prevent ingress of harmful particulates.

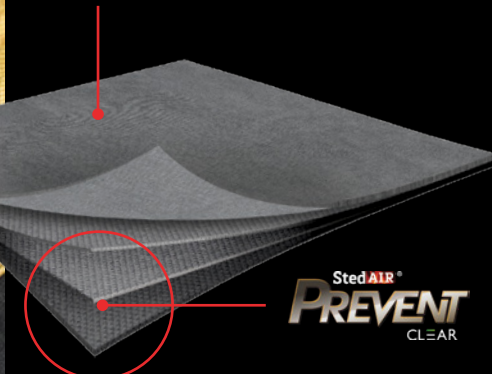
\*Tested in CTT lab.



INNOTEX  
**GRAY™**

Introducing our new GRAY Hood Prevent Nano with Stedair Prevent Clear – **not made with PFAS** – offering advanced protection against toxic particulates. Engineered with a nanofiber-based particulate barrier, it effectively blocks 98% of toxic particles while ensuring full coverage and comfort.

**GREY KNIT**  
20% Nomex® / 80% Lenzing



## 1 LAYER OF TRILAMINATE WITH STEDAIR PREVENT CLEAR

- 20% Nomex / 80% Lenzing
- Stedair Prevent Clear particulate-blocking barrier
- 100% multi-filament FR Viscose

# INNOTEX GRAY HOOD NOMEX NANO

MADE WITH DUPONT™ NOMEX NANO FLEX

**NOT MADE WITH PFAS**

**A Full coverage**

DuPont Nomex Nano Flex particulate-blocking barrier – not made with PFAS – throughout the entire hood.

**B Extra-long asymmetric length: 24" front & 22" back**

Provides complete chest and shoulder coverage. Ensures your hood stays securely tucked in, preventing particulate entry at the coat-to-neck interface.

**C Multi-panel design**

Ensures a snug fit and proper seal with your SCBA, no matter the head movement, even tilted backward.

**D 2-layer hood with DuPont Nomex Nano Flex**

The DuPont Nomex Nano Flex technology is light, thin, and flexible, delivering excellent moisture management and thermal resistance.

**E Heavy-duty 1/2" elastic sewn into face opening**

Ensures a snug fit and proper seal with your SCBA even when you move your head. Stretches for easy donning without ever losing its shape.

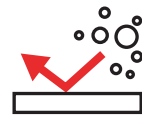
**F Flatlock seams**

Stronger yet low profile seams ensure a more comfortable fit. Sewn with spun Nomex thread for optimal quality.



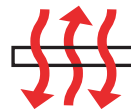
**Not made with PFAS**

The hood and its components are not made with PFAS.



**Blocks more than 99.9% of particles**

DuPont Nomex Nano Flex particulate-blocking barrier blocks more than 99.9% of particles as small as 0.1 to 1.0 microns.



**Air permeable**

Allows clean air to flow through and lets moisture escape efficiently to help reduce the risk of heat stress.



**Superior comfort**

Lightweight, breathable and ergonomically-designed to ensure a comfortable fit.



**Durable**

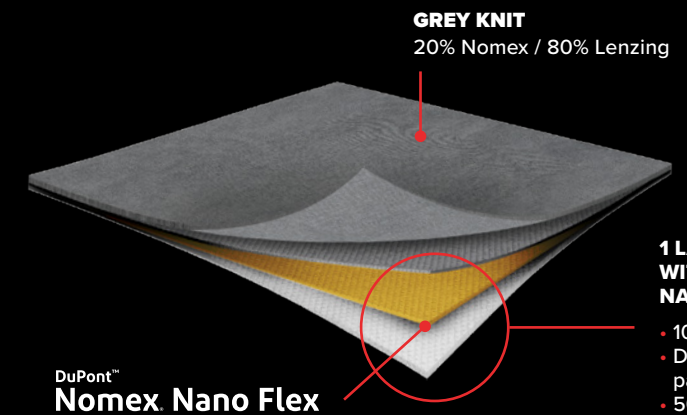
Maintains its particulate-blocking effectiveness even after 250 washes. Face opening retains its snug fit to prevent ingress of harmful particulates.

Watch video



**INNOTEX GRAY™**

Our GRAY Hood Nomex Nano – **not made with PFAS** – offers complete protection against toxic particulates. Made with DuPont Nomex Nano Flex, this 2-layer hood features a nanofiber-based particulate barrier that stops particulates at 99.9%. Its breathability & high thermal heat loss value ensure unbeatable comfort in any situation.



# INNOTEX GRAY HOODS

MADE WITH STEDAIR PREVENT

## A Full coverage

Stedair Prevent particulate-blocking barrier throughout the entire hood.

## B Extra-long asymmetric length: 24" front & 22" back

Provides complete chest and shoulder coverage. Ensures your hood stays securely tucked in, preventing particulate entry at the coat-to-neck interface.

## C Multi-panel design

Ensures a snug fit and proper seal with your SCBA, no matter the head movement, even tilted backward.

## D 2-layer hood with Stedair Prevent

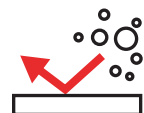
The Stedair Prevent technology is designed to be lightweight, thin, and flexible, offering superior moisture management and thermal resistance. The viscose liner provides a soft, cool feeling on your skin and boasts excellent moisture-wicking properties to keep you drier and more comfortable. Form-fitting knit allows a comfortable fit that conforms to the contours of your head.

## E Heavy-duty 1/2" elastic sewn into face opening

Ensures a snug fit and proper seal with your SCBA even when you move your head. Stretches for easy donning without ever losing its shape.

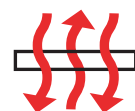
## F Flatlock seams

Stronger yet low profile seams ensure a more comfortable fit. Sewn with spun Nomex thread for optimal quality.



### Blocks more than 99.9% of particles

Stedair Prevent particulate barrier blocks more than 99.9% of particles as small as 0.1 to 1.0 microns.



### Air permeable

Allows clean air to flow through and lets moisture escape efficiently to help reduce the risk of heat stress.



### Superior comfort

Lightweight and ergonomically-designed to ensure a comfortable fit. Inner multi-filament FR viscose liner provides a soft, cool feeling on your skin and boasts excellent moisture-wicking properties.



### Quiet

Won't make crackling noises that affect your situational awareness and limit your ability to communicate.



### Durable

Maintains its particulate-blocking effectiveness even after 200 washes. Face opening retains its snug fit to prevent ingress of harmful particulates.



INNOTEX  
**GRAY**

## PROPRIETARY PATENT-PENDING TRILAMINATE.

Protection against particulates is essential. So is your comfort.

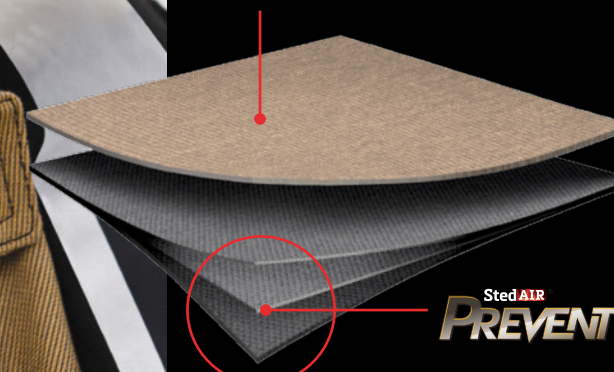
Our proprietary patent-pending trilaminate combines the industry-leading Stedair Prevent particulate-blocking barrier for optimal protection with our INNOTEX-exclusive multi-filament FR viscose inner layer for greater comfort and moisture-wicking properties.

It slides like silk, always falls perfectly into place without bunching, and won't pill even after numerous washes.

### FR RIB KNIT OUTER LINER

#### 2 knit options:

- 20% PBI® / 80% Lenzing
- 20% Nomex / 80% Lenzing



### PROPRIETARY TRILAMINATE INNER LAYER

- 20% Nomex / 80% Lenzing
- Stedair Prevent particulate-blocking barrier
- 100% multi-filament FR Viscose

\*CAN patent 2,993,706, U.S. patent pending

# NOT MADE WITH PFAS HOODS

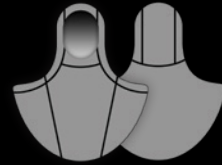
**NEW**

## INNOTEX GRAY HOOD PREVENT NANO

**Single metabolic zone design**  
Not made with PFAS.

**2-layer hood**

- ONE FR knit outer layer
- ONE inner layer: INNOTEX Trilaminate with Stedair Prevent Clear throughout



● TWO layers

**TPP**

As received **22.5**

**THL**

**358**

20% Nomex | 80% Lenzing



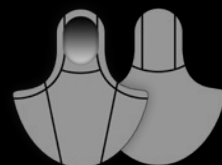
Certification pending

## INNOTEX GRAY HOOD NOMEX NANO

**Single metabolic zone design**  
Not made with PFAS.

**2-layer hood**

- ONE FR knit outer layer
- ONE inner layer: Trilaminate with DuPont Nomex Nano Flex throughout



● TWO layers

**TPP**

As received **26.8**

**THL**

**355**

20% Nomex | 80% Lenzing



\* Tested at PBI® lab.  
\*\* Nominal values.

# YOUR CHOICE:

**HIGHER THL**

OR

**HIGHER TPP**

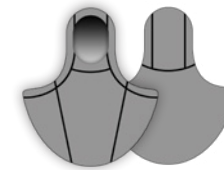
Because everyone has different needs when it comes to thermal protection and breathability. Choose the **GRAY 25** hood for enhanced heat stress control or the **GRAY 35** hood for optimal thermal protection in critical areas.

## INNOTEX GRAY HOOD **25** +THL

**Single metabolic zone design**  
Effective heat stress relief without compromising thermal protection.

**2-layer hood**

- ONE FR knit outer layer
- ONE inner layer: INNOTEX Trilaminate with Stedair Prevent throughout



● TWO layers



**TPP**

As received **22.6**

After 5 washes **34.1**

**THL**

**427**

20% Nomex | 80% Lenzing

**TPP**

As received **22.4\***

After 5 washes **25.0\*\***

**THL**

**437**

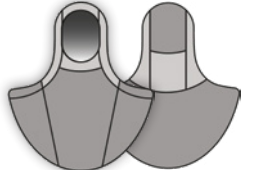
20% PBI | 80% Lenzing

## INNOTEX GRAY HOOD **35** +TPP

**Dual metabolic zone design**  
Higher thermal and flashover protection only where you need it most.

**3-layer hood**

- TWO FR knit outer layer in critical areas
- ONE inner layer: INNOTEX Trilaminate with Stedair Prevent throughout



● THREE layers

● TWO layers



**TPP**

As received **36.7**

After 5 washes **47.2**

**THL**

**329**

20% Nomex | 80% Lenzing

**TPP**

As received **38.6**

After 5 washes **34.8**

**THL**

**350**

20% PBI | 80% Lenzing

Made in USA



For a proper fit, INNOTEX® GRAY™ particulate-blocking hoods are available in **2 sizes**. To determine yours, measure the circumference of your head above the ear.

Size	Head circumference (inches)
M / L	Less than 23.5"
XL	23.5" - 25"



[INNOTEXPROTECTION.COM](http://INNOTEXPROTECTION.COM)



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