FLAME PRO

171 Firefighter Hood

Full Cover Particulate Protection

Fabric - DuPont™ Nomex® Nano Flex

171 Firefighter Hoods

The only none PTFE full cover particulate hood to give above 99% protection against cancer causing particulates from the first wear.

Cancer is the most dangerous threat to firefighters' health and safety today. Our 171 is the most advanced protection particulate hood on the market, giving firefighters ultimate protection from cancer-causing particulates from the very first time it is worn. Unlike any other hood using the same fabric, FlamePro's pioneering design is engineered with unique differences to give firefighters maximum protection and comfort.

Intended Use

Protection during wildfire and structural fire fighting incidents.

Size Ranges

Size: S (52cm - 57cm)
Size: M (58cm - 63cm)

Particulate Protection

Breathability

Lightweight

Gold

Navy

EN 13911:2017 EN ISO 13688:2013 ISO 16073-9:2020

WL
Certified for:
Wildland Firefighting

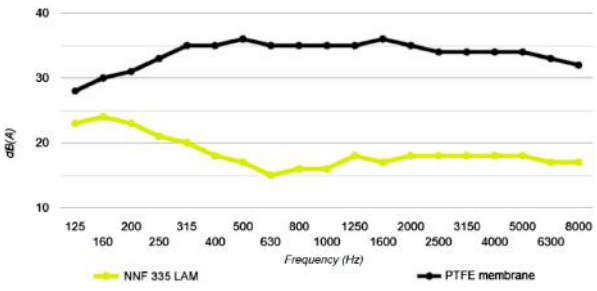
St
Certified for:
Structural Firefighting

Features & benefits

- Fabric assembly made with Nomex® Nano Flex offers optimal protection against most common particles, viruses and bacteria, by blocking more than 99%.
- Full particulate protection, all panels include Nomex® Nano Flex Technology.
- NFPA 1971:2018 tested after 5, 25, 100 and 250 washing cycles - particulate protection fabric assembly, maintaining >99% protection.
- Improved acoustic when compared with membrane-type hoods.
- Strategic panelling that's ergonomically shaped for wearer comfort and ease of movement.
- Lightweight 460gms fabric assembly, Nomex® outer knit, Nomex® Nano Flex barrier, Aramid and Viscose FR inner knit.
- Strong flatlock seams to ensure wearer comfort, using meta-aramid threads.
- High absorption rate to remove sweat quickly, high evaporation rate to drive water out, very low RET value < 8m² Pa/W.
- Assembly optimised air permeability of more than 80L/m²/s - according to ISO 9237 test method.
- Fabric Elongation exceeding 75% and recovery exceeding 90% (under strength of 20N).
- Assembly tested to Oeko-Tex and NFPA 1971.

Crackling Noise

Each hood was creased during 20 seconds at 5 centimetres in front of a microphone. The crackling noise was measured in a decibels along the audible frequency. The smaller the value, the more secured it is for the wearer.



Duarability

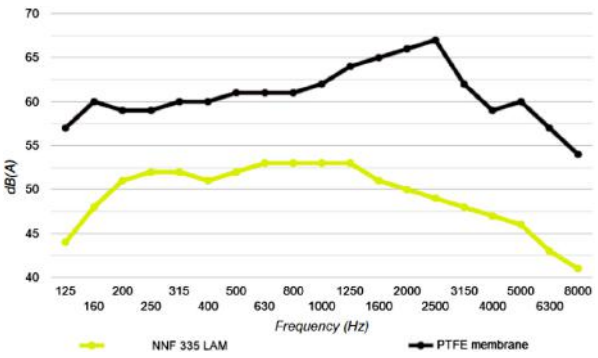
Independently tested and certified to give upwards of 99% protection up to 250 washes. Hoods have been tested to convective heat, radiant heat as well as donning and doffing after 100x wash cycles.

Particulate Blocking Fabric Assembly Features

Nomex® Nano Flex was developed to help make products like firefighter hoods more protective against particles without compromising comfort. A highly breathable FR material with exceptional elasticity and superior particle barrier performance, Nomex® Nano Flex is also thinner and lighter weight than other FR materials. The addition of Nomex® Nano Flex to a firefighter hood composite structure provides improved particle barrier protection in the neckline and upper jaw area that historically are known to be the most vulnerable and least protected. In fact, it results in up to 4x increase in particle barrier efficiency.

Acoustic Test

Each hood was rubbed 20 seconds against a silicon ear containing a microphone. The rubbing noise was measured in a decibels along the audible frequency. The smaller the value, the more comfortable it is for wearer.

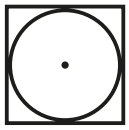


FLAME PRO

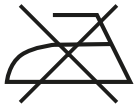
Email: info@flame-pro.com **Tel:** +44 (0)1332 341030
flame-pro.com

Washing Instructions

Wash machine temperature 60°C



Tumble Dry Settings
One Dot: Low temperature



Do not iron

Do not dry clean

Do not use bleach

General PPE Maintenance Guidlines

- Wash the PPE regularly using specially adapted programs for contaminated emergency clothing.
- The garments should be cleaned after incidents where they have been affected by fire gases or soiled by soot, by-products of combustion, blood, body fluids, tar, fuel, resin, paint, acid or other dangerous substances.
- Contaminated clothing should be transported so that gases are enclosed.
- Pressure clothing should be cleaned separately from other garments.
- Do not hang the garment in direct sunlight, as UV radiation will eventually weaken the outer fabric.

Repairs

The garment should be inspected regularly for any damages, repairs should be performed by a trained specialist, modifications to garment are not allowed. Any repair or modification made by unauthorised service centre will void the warranty.

Storage

Store the garment in dry conditions, not in direct sunlight. Do not store in airtight containers or vacuum packed, do not store at temperatures less than -32°C or above 82°C, do not store in contact with contaminants such as (not limited to) oils, solvents, acids or alkalis.

After washing & Drying

- Ensure the fit of garment is still suitable, the garment is not too loose or close fitting.
- There is no damage or soiling.
- The clothing is dry on inside and outside.
- Check seams integrity or broken stitchesfabric.

Important Notes

- Ensure cleaning is performed by a trained specialist, do not clean in the private household
- Follow product care label instructions
- Do not use domestic washing detergents, powders, softeners or whitening agents
- Do not use a tunnel dryer
- Do not wash with combustible materials
- Wash hoods separately

Warranty

1 Year warranty from date of manufacture on structural seams, subject to wear & tear. Modifications or repairs made by unauthorised specialist will invalidate the warranty.
We recommend care and maintenance in line with BS 8617 which can be obtained from BSI shop (shop.bsigroup.com)

Email: info@flame-pro.com **Tel:** +44 (0)1332 341030
flame-pro.com