

Firefighters work in the harshest environments, and need gear that provide protection and comfort so they can focus on saving lives.

Firefighters are exposed to many hazards including smoke and soot particulate which are highly toxic carcinogens as they are absorbed through the skin.

The **KL200** is Life Liners second generation particulate blocking hood to provide additional protection against smoke and soot particulate.

Offering outstanding breathability, increase air permeability and a unique construction for ease of movement and flexibility, the KL200 minimizes heat stress while reducing exposure to particulates, providing additional protection for the firefighter.

CERTIFICATIONS

NFPA 1971-2018 UL Certified

FABRICS

Outer Layer: 49% Kermel/ 49% Lenzing FR/2% Spandex

Inner Layer: Stedair Prevent

WEIGHT

Outer layer: 8.4 oz. sq. yard Inner layer:4.35 oz. sq. yard

CONSTRUCTION

Outer Layer 1x1 Rib Knit

COLOR

Navy

TAN

SIZES

Small, Medium, Large

THERMAL PROTECTIVE PERFORMANCE (TPP)

As received 29.6 Cal/cm²

After 5 washes 36.9 Cal/cm²

THERMAL Heat Loss (THL)

385.6 W/M²

HOOD MATERIAL BURST STRENGTH

Outer Layer 445

Inner Layer: 413 N

Particulate Blocking

As received 99%+

After 10 Conditionings 98.7%+

Hood Specifications

Model: KL200

NFPA 1971-2018

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TPP After 5 Washes: 36.9Cal/cm²

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Issued: May 4, 2018

Hood Specifications

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FLAME RESISTANCE TEST

Outer Layer

After Flame As received 0 seconds

After 5 washes 0 seconds

Char Length As received 28mm

After 5 washes 20mm

Inner Layer

After Flame As received 0 seconds

After 5 washes 0 seconds

Char Length As received 73mm

After 5 washes 56mm

DESIGN

Separate head with sewn on back and front bib, Back of head ends at the nape of the neck for improved fit and comfort.

Two piece design with 6" front with 8" back

LAYERS

2 Layer

CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement 0.34% avg.

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood MeasuAs received 0.4% avg.

After 5 washes 0.1% avg

SEAM BREAKING STRENGTH TEST

644 N

MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

FACE OPENING

Easy-Seal Face opening that goes on easy. Seals tight

Sewn with 1/2" elastic encapsulated in hood material

CONSTRUCTION

Head Seams: All head and bib seams are sewn with a flat lock stitch

Binding: 1 1/2" binding sewn to hem through folder with a three thread cover stitch to create a 1/2" finished bound hem

THREAD

100% Nomex

LABELS

Each hood is labeled with an FR Label with all four label edges sewn

to the hood, identifying material contents and UL certification



Fabric Performance Values in accordance with NFPA 1971-2018 test report dated 3/23/2018 performed by Underwriters Laboratories

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