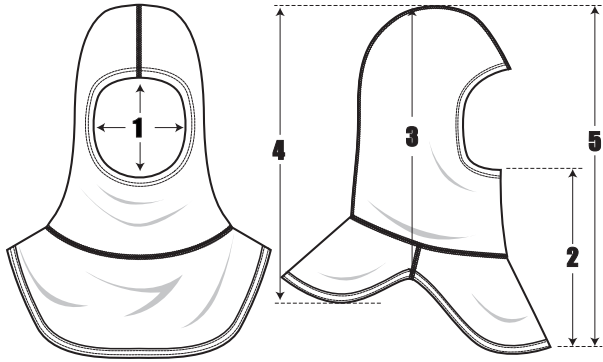




## COBRA™ ELITE HOOD

38000-00-181085 (Natural) Comfort  plus™



### HOOD DIMENSIONS – ONE SIZE HOOD FITS ALL

1. Face opening is circular and measures between 4.6" to 5.6"
2. Length of hood below face opening approximately 11"
3. Length of hood at side from top to bottom approximately 15"
4. Length of hood at back from top to bottom approximately 19"
5. Length of hood at front from top to bottom approximately 20.25"

### DESIGN

- Double ply hood with separate drape
- Improved styling for better fit & coverage
- Provides double layer coverage of neck, upper chest, shoulders shoulder blades and back
- Tapered back and notched shoulders enable bib to lie flat on front and back
- Flat stitched seams
- X-heavy 1/2" wide elasticized face opening
- Cover stitched bound drape

### THREAD

- All seams are sewn with 100% Nomex thread size Tex 40.

### STITCH TYPES AND SEAMS

- All stitching conforms to Federal Standard 751 Specifications (FED-STD-751).
- Major seams are flat seam assembled with stitch type 607.
- Drape attachment to top is done with stitch type 401 and reinforced with stitch type 605.
- Elastic around face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch type 406.
- Binding is applied with bottom cover-stitch type 406.


# SPECIFICATIONS

### FABRIC: COMFORT PLUS™

WEIGHT: 203 gsm (6 oz/yd<sup>2</sup>)

#### FABRIC DESCRIPTION:

- Outer shell and lining are Comfort Plus™ - Nomex® (Meta-Aramid) / Lenzing FR®
- 1 x 1 rib knit fabric - knit to allow approximately 130% stretch for stretch and recovery
- Calendered to minimize laundry shrinkage

 ARC RATING: 10 | HRC RATING: 2

### CONSTRUCTION

- Entire hood is composed of two layers of knit fabric.
- Top is seamed from top of face opening to bib in back with six thread flat seam for comfort. Bib is assembled and joined around circumference of top with 2 thread serge and then 5 thread cover-stitched for extra strength.
- Face opening is circular in shape and serged with x-heavy duty 1/2" wide elastic around the perimeter. The elastic is then folded back 1/2" and cover-stitched. The face opening stretches 25% more than conventional hoods for easy donning and a snug fit around face of SCBA mask. Face opening maintains original shape after repeated launderings.
- The bottom edge of bib is bound with self-material bias binding and contoured at shoulders allowing the hood to drape on the chest and back for maximum coverage.

### LABELING AND USER INFORMATION

- UL Certified FR label facilitates tracking and identification through bar-coding, sequential numbering and personalization.
- "PROPERTY OF: \_\_\_\_\_" feature allows user to simply write their name with permanent laundry marker directly on label for permanent identification.
- Each hood is clearly labeled to identify material contents, NFPA acceptance, UL Classification, Date of Manufacture, Lot Tracking Number, Style Number, Statement of Made in USA and Care Instructions.
- Each hood includes a complete user information guide.

### MEETS OR EXCEEDS INDUSTRY STANDARDS

- UL Classified to meet or exceed the current hood requirements of NFPA 1971, Standard on Protective Ensemble for Structural Firefighting.
- Compliant with CAL-OSHA, Sections 3406 and 3410(d) and OSHA Rule 29 CFT, Part 1910, 269. Compliant with NFPA 70E Current Edition and meets performance specifications of ASTM-F-1506.
- ARC Rating: 10 Cal/cm<sup>2</sup> - Hazard Risk Category: 2.



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# SPECIFICATIONS

## COBRA™ ELITE HOOD

38000-00-181085 (Natural)

FABRIC PERFORMANCE VALUES	NFPA 1971 REQUIREMENTS	COMFORT PLUS
Thermal Protective Performance (TPP)		
■ As Received	≥ 20.0	27.5
■ After 5 Washings	≥ 20.0	26.5
Flame Resistance Test		
After Flame (Wales x Courses)		
■ As Received	≤ 2.0 s	0.0 s x 0.0 s
■ After 5 Washings	≤ 2.0 s	0.0 s x 0.0 s
Char Length (Wales x Courses)		
■ As Received	≤ 100 mm	39 mm x 38 mm
■ After 5 Washings	≤ 100 mm	33 mm x 38 mm
Cleaning Shrinkage Resistance Test		
Hood Measurement		
■ After 5 Washings	≥ -5.0%	-0.7 to -0.3 %
Face Opening Measurement		
■ After 5 Washings	MEETS REQUIREMENTS	YES
Heat & Thermal Shrinkage Resistance Test		
Hood Measurement		
■ As Received	≥ -10.0%	-2.4 to 0.0 %
■ After 5 Washings	≥ -10.0%	-1.3 to 2.0 %
Face Opening Measurement		
■ As Received	MEETS REQUIREMENTS	YES
■ After 5 Washings	MEETS REQUIREMENTS	YES
Fabric Burst Strength Test	≥ 225 N	374 N
Seam Breaking Strength Test	≥ 181 N	1265 N
Melt or Drip When Exposed to Flame	NO MELTING OR DRIPPING	NONE

Comfort Plus™ blend was developed in the early 1980's by PGI to offer a more comfortable and affordable option to 100% Nomex® hoods. Due to its price and exceptional comfort, it became an instant success easily becoming the most demanded hood blend on the market. Comfort Plus™ is made of two proven flame resistant fiber work horses - Nomex® and Lenzing FR™. Together they create an exceptionally durable and comfortable flame resistant fabric that wicks moisture away from the skin more effectively than other flame resistant fabrics. The end result is an FR hood that feels cooler in hot environments and warmer in cold environments.

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