



COBRA™CLASSIC™ with SURE FIT™ HOOD

Style # **3018185SF**

Material: COMFORT PLUS™ – Nomex® (Meta-Aramid)/Lenzing FR®

Arc Rating: **8.8**

HRC Rating: **2**

DESIGN: Double ply, one piece overall design with notched shoulders

- Double-ply hood with Comfort Plus liner for cooler, drier wear
 - 3" wide Sure Fit panel for customized fit
 - Provides coverage of neck, upper chest and to the top of the shoulder blades
 - Contoured shoulders reduce bunching of bib
 - Flat stitched seams
 - X-heavy 1/2" wide elasticized face opening
 - Cover stitched bound drape
- UL Classified to NFPA 1971: Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting – Current Edition

Fabric Performance Values

Arc Thermal Performance Value (ATPV)	8.8
Thermal Protection Performance (TPP)	
Initial (seconds)	33.6
After 5 washings (seconds)	33.9
*TPP at heat flux of 2.0 cal/cm ² sec	
After Flame	
Initial (Inches)	0x0
Warp(wales)xFill (Courses)	
After 5 washings (seconds)	0x0
Char Length	
Initial (inches)	1.6 x 1.8
After 5 washings (inches)	1.7 x 1.8
Fabric Burst Strength (N)	395.2
Seam Burst Strength (N)	727.6
Heat and Thermal Shrinkage	
After 5 washings	.30%
Limiting Oxygen Index (LOI)	29
Melt or Drip when exposed to flame	None

Features and Benefits

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. In addition to improved comfort, Comfort Plus hoods offer 18% better thermal resistance than their 100% Nomex counter- part with a TPP of 33.6 vs. 28.5 for 100% Nomex after five washings. Other properties of the fabric include:

- Inherently flame resistant
- Excellent thermal resistance – 33.6 TPP rating after five washings
- Excellent comfort. Lightweight and soft, no itch or irritation
- Excellent moisture management – wicks moisture away from skin keeping you drier and more comfortable
- Keeps you cooler in hot environments and warmer in cold environments
- Low initial cost
- Long wear life
- Off-white color
- Arc Resistant – ATPV 8.8 HRC 2 (On double ply hoods)
- Compliant with NFPA 70E – Current Edition. Meeting the performance specifications of ASTM-F-1506 (On double ply hoods)
- Meets CAL-OSHA Requirements^{SEP} Passes Fed. Test 191, Method 5903.2: CAL OSHA Sections 3406(d)
- Complies with OSHA Rule 29 CFR Part 1910, 269

Product Specs

FABRIC:

- Outer shell is a blend of Nomex®/(Meta-Aramid)/Lenzing FR® – approx. 6 oz sq yd.
- Lining is Comfort Plus™ – approx. 6 oz sq yd.
- 1 x 1 rib knit fabric - knit to allow approx. 130% stretch for maximum stretch and recovery.
- Calendared to minimize laundry shrinkage.

STITCH TYPES AND SEAMS:

- All stitching conforms to federal Standard 751 Specifications (FED-STD-751).
- Major seams are flat seam assembled, stitch type 607.
- Elastic in face opening is serged in with stitch type 504 and reinforced with bottom cover-stitch, stitch type 406.
- Binding is applied with bottom cover-stitch, stitch type 406.

THREAD:

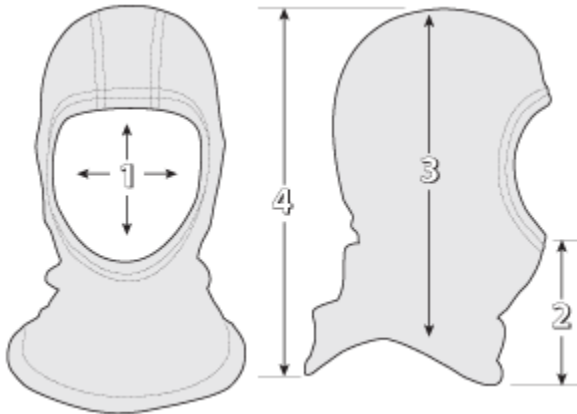
- All seams are sewn with 100% Nomex thread size Tex 40.

CONSTRUCTION:

- Composed of two layers throughout with a 3" wide Sure-Fit™ panel for improved comfort, fit and performance.
- Seamed from top of face opening to bottom back then cover-stitched for extra strength.
- Face opening is circular in shape and serged with x-heavy duty ½" wide elastic around the perimeter. The elastic is then folded back ½" and cover stitched. The face opening stretches a full 16" (which is 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 hood is bound with self-material bias binding.
- Shoulders are contoured on each side allowing the hood to lie flat on the chest and back for maximum coverage.

Finished Hood Measurements:



1. Face opening is circular and measures between 4.6" to 5.6" in diameter.
2. Length of hood below face opening approx. 9".
3. Length of hood at side from top to bottom approx. 15".
4. Length of hood at front and back from top to bottom approx. 18½".

Size: One size hood fits all.

Labeling and User Information:

Each hood is clearly labeled to identify material contents, NFPA acceptance, UL Classification, Date of Manufacture, and Care Instructions. Included with each hood is a complete users information guide.

Meets or Exceeds Industry Standards

UL classified to meet or exceed NFPA 1971-Current Edition; European standard 13911-June 2008 (CE marked to EC directive 89/686/EEC); Compliant with CAL-OSHA, Sections 3406 and 3410(d) and OSHA Rule 29 CFR, Part 1910, 269. Compliant with NFPA 70E - Current Edition and meets performance specifications of ASTM-F-1506. ARC Rating: 8.8 - Hazard /Risk Category - 2

KING COBRA™ FEATURES

UL Classified in two styles to the NFPA 1971 - Current Edition.

Patterned to comfortably fit head with or without SCBA mask on.

Classic Style™

(Shown in Nomex®/Lenzing FR™ Blend)

Style No. 3018185



Ultimate Style

(Shown in Nomex®/Lenzing FR™ Blend)

Style No. 3038185



Flat stitched seams for improved comfort and fit - won't dig into your skin and eliminates bunching.

Xtra-Heavyweight 1/2" wide elastic face opening stretches to full 17" for easy donning and snug fit around SCBA mask.

Seamless chin area and improved patterning for better comfort, fit and protection.

COMFORT-PLUS
super wicking, flame resistant liner for unparalleled comfort and thermal protection.

Bottom edge bound with self-material bias binding.



All sewing done with 100% NOMEX thread.
Rib-knit construction for better stretch and recovery.

CLASSIC™ style hood is designed to provide double layer coverage of the neck, upper chest and the top of the shoulder blades. Shoulders are contoured to reduce bunching of the bib. To ensure the hood stays tucked in, we've made the hood 3" longer in the front than NFPA requires.

ULTIMATE™ style hood is designed for maximum double layer protection. Hood covers chest, shoulders and shoulder blades.

QUALITY

PGI's KING COBRA™ hoods are manufactured to the highest quality standards in the industry...using the best quality and most widely accepted flame resistant fabrics available. Hoods are made from four proven flame resistant materials: NOMEX® /LENZING FR™ blend, PBI /LENZING FR™ blend, P84™/LENZING FR™ blend. All provide excellent flame resistance and are preshrunk to minimize shrinkage. Hoods can be machine washed with no loss of flame resistance.