

GORE® PARTICULATE HOOD GEN2 Nomex Blend SPECIFICATION

DESIGN

Head Design	Comfort insert on the crown of the head replaces traditional center seam
Bib(Apron) Design	Longer length, notched shoulder bib design

LAYERS

Head and Bib	2 ply material (outer to inner) Nomex Blend/ GORE® Particulate Blocking Layer 2.0
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LENGTH

Head Length	15"
Bib (Apron) Length	8"
OVERALL LENGTH	23"

FACE OPENING

Circular face opening, sewn with ½" elastic.
Elastic is encapsulated in material and cover stitched.

INSPECTION OPENING

The GORE® Particulate Hood GEN2 has an Inspection Opening in the back binding of the hood. The Inspection Opening allows the hood to be turned inside out so the GORE® Particulate Blocking Layer 2.0 can be visually inspected for damage.

BINDING

Binding of same fabric material to enhance design with a finished look

SEAMS

Thread 100% Nomex
Comfort insert on the crown of the head replaces traditional center seam
Safety lock cover stitch of seams

SIZING

UNIVERSAL sizing

LABEL, MARKING RECOMMENDATIONS, WARNING & USER INFORMATION

LABEL: each hood comes individually labeled to identify fabric, hood style, lot # traceability, DOM, Cleaning, Precautions, and Storage instructions, and UL Certification.

LABEL MARKING RECOMMENDATION: If permitted by your department or organization, for identification purposes, you may mark your protective hood. When marking, use an indelible marker. Do not write over or obscure information on the product label.

LABEL: once the label is reviewed for imperative information, the label can be tucked up and out of the way inside the INSPECTION OPENING. DO NOT REMOVE LABEL.

WARNING & USER INFORMATION: each hood has a Warning & User Information guide attached or QR code printed on the bag with imperative information. Please review before wearing.

CLEANING, PRECAUTIONS, AND STORAGE

- * USE REGULAR MILD DETERGENT
- * MACHINE WASH WARM NOT TO EXCEED 105° F
- * TUMBLE DRY LOW NOT TO EXCEED 105° F
- * DO NOT USE WASHING MACHINE THAT EXCEEDS 100 Gs
- * DO NOT USE BLEACH
- * DO NOT USE FABRIC SOFTENERS
- * DO NOT DRY CLEAN
- * DO NOT STORE IN DIRECT SUNLIGHT
- * STORE YOUR HOOD ONLY WHEN IT IS CLEAN, DRY, AND FREE OF CONTAMINATION

CERTIFICATIONS

NFPA 1971-2018 UL Certified

GORE®

PARTICULATE HOOD



Excellent protection from the particulate-blocking layer that is present throughout the entire hood.

Offers a more traditional hood wearing experience with the benefits of particulate protection.

ONE SIZE FITS all convenience

Excellent breathability

Exceptional durability

Continues to block 99.9% of particles in the 0.1 to 1.0 micron range after laundering; exceeds strength requirements in the NFPA 1971-2018 standard

The construction is optimized to reduce interference with sounds and signals on the fireground

The GORE® Particulate Hood GEN2 combines the expertise of the industry leader in barrier technology with the skill of one of the most respected hood manufacturers

Majestic Fire Apparel knits, cuts, sews, and ships the GORE® Particulate Hood GEN2 in Lehighton, PA

WARRANTY INFORMATION

The GORE® Particulate Hood GEN2 is warranted to be free from defects in material and workmanship for one year. This warranty does not cover normal wear or unusual exposures, including abrasive wearing of close-tolerance accessories—such as voice amplifiers. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to, implied warranties or marketability and/or fitness for a particular purpose. Majestic Fire Apparel, Inc. shall not be liable for incidental or consequential damages.

REPAIRS OR ALTERATIONS

DO NOT attempt to repair, alter, or modify the GORE® Particulate Hood GEN2. Hoods should not be altered to accommodate after market accessories. Any aftermarket alteration, modification or addition, or repair will VOID the WARRANTY and could affect the UL Certification compliance with the current NFPA 1971 Standard.

GORE® PARTICULATE HOOD Nomex Blend FABRIC PERFORMANCE VALUES

	Nomex Blend	GORE® Particulate Blocking Layer 2.0
Material Content:	20% Nomex / 80% Lenzing FR	Proprietary ePTFE laminate with Nomex/FR Rayon knit
Material Construction:	1 x 1 Rib Knit	Laminate
Material Weight:	7.0 osy (nominal)	7.0 osy (nominal)
Material Color	White (Standard)	Denim (Standard)

PARTICULATE BLOCKING LAYERING SYSTEM THROUGHOUT ENTIRE HOOD

Head Design = 2 ply material (outer to inner)	Nomex Blend/ GORE® Particulate Blocking Layer 2.0
Bib Design = 2 ply material (outer to inner)	Nomex Blend/ GORE® Particulate Blocking Layer 2.0

TOTAL HEAT LOSS (THL)

as received 346 W/m²

THERMAL PROTECTIVE PERFORMANCE (TPP)

as received 24.9 cal/cm²
after 5 washes 31.6 cal/cm²

PARTICULATE BLOCKING EFFICIENCY for each particle size range from 0.1 - 1.0 micron

as received >99.99% from 0.1 µm to 1.0 µm
after 10 wash/dry, heat conditioning, room conditioning,
10 wash/dry, heat conditioning, room conditioning >99.99% from 0.1 µm to 1.0 µm

HOOD MATERIAL BURST STRENGTH

Nomex Blend	GORE® Particulate Blocking Layer 2.0
349 N	421 N

FLAME RESISTANCE TEST 1

AFTER FLAME

Nomex Blend	GORE® Particulate Blocking Layer 2.0
as received 0 seconds	as received 0 seconds
after 5 washes 0 seconds	after 5 washes 0 seconds

CHAR LENGTH (wales x courses)

Nomex Blend	GORE® Particulate Blocking Layer 2.0
as received 56 mm x 58 mm	as received 35 mm x 35 mm
after 5 washes 56 mm x 57 mm	after 5 washes 22 mm x 24 mm

CLEANING SHRINKAGE RESISTANCE TEST

HOOD MEASUREMENT	1%
FACE OPENING MEASUREMENT	Complies

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

HOOD MEASUREMENT	as received Less than 1%
	after 5 washes Less than 1%
FACE OPENING MEASUREMENT	as received Complies
	after 5 washes Complies

MELT, SEPARATE, IGNITE WHEN EXPOSED TO FLAME

as received None
after 5 washes None

SEAM BREAKING STRENGTH TEST

Nomex Blend	GORE® Particulate Blocking Layer
431 N	514 N

Updated December 13, 2019