

## GORE® PARTICULATE HOOD Nomex Blend SPECIFICATION

### DESIGN

Head Design	Traditional head design
Bib(Apron) Design	Longer length, notched shoulder bib design

### LAYERS

Head and Bib	3 ply material throughout (outer to inner) Nomex Blend / GORE® Particulate Blocking Layer / Nomex Blend
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### LENGTH

Head Length	13"
Bib (Apron) Length	8"
OVERALL LENGTH	21"

### FACE OPENING

Full Face Opening Circular Measurement  
 Sewn with 1/2" elastic. Elastic is encapsulated in material and cover stitched.  
 Elastic Face Opening stretches to accommodate a circumference of at least 31" (800 mm)  
 for ease of donning, snug fit, and proper seal with SCBA.

### INSPECTION OPENING

The GORE® Particulate Hood has an INSPECTION OPENING in the back hem of the hood.  
 The INSPECTION OPENING allows the hood to be turned inside out so the GORE®  
 Particulate Blocking Layer can be visually inspected for damage.

### BINDING

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

### SEAMS

Thread 100% Nomex  
 Head design with traditional center head seam (comfortable central seam)  
 Safety lock cover stitch of seams  
 RED THREAD on the outside is the proper way to don the GORE® Particulate Hood

### SIZING

UNIVERSAL size

### 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. Mark your hood on the  
 PROPERTY OF: \_\_\_\_\_. 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 & USERS INFORMATION GUIDE: each hood has a Warnings & Users Information  
 Guide attached 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  
 Complies with CAL-OSHA Requirements Sections 3406 and 3410(d) and OSHA Rule 29 CFR Part 1910, 269

## 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 100 washes; exceeds strength requirements in the NFPA 1971-2018 standard

The GORE® Particulate Hood 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 in Lehighton, PA**

#### WARRANTY INFORMATION

Your protective hood 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. MFA, Inc. shall not be liable for incidental or consequential damages.

#### REPAIRS OR ALTERATIONS

DO NOT attempt to repair, alter, or modify your hood. 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 standard.



## GORE® PARTICULATE HOOD Nomex Blend FABRIC PERFORMANCE VALUES

<b>Material Content:</b>	<b>Nomex Blend</b> 20% Nomex / 80% Lenzing FR	<b>GORE® Particulate Blocking Layer</b> Proprietary ePTFE Laminate with Nomex Knit
<b>Material Construction:</b>	1 x 1 Rib Knit	N/A
<b>Material Weight:</b>		3.3 oz / yd <sup>2</sup> (+.2 / -.2)
<b>Material Color</b>	White (Standard)	White (Standard)

### PARTICULATE BLOCKING LAYERING SYSTEM THROUGHOUT ENTIRE HOOD

Head Design = 3 ply material (outer to inner)	Nomex Blend / GORE® Particulate Blocking Layer / Nomex Blend
Bib Design = 3 ply material (outer to inner)	Nomex Blend / GORE® Particulate Blocking Layer / Nomex Blend

### TOTAL HEAT LOSS (THL)

as received 332.1 W/m <sup>2</sup>
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### THERMAL PROTECTIVE PERFORMANCE (TPP)

as received 35.9 cal/cm <sup>2</sup>
after 5 washes 36.8 cal/cm <sup>2</sup>

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

as received 99.9%
after 10 wash/dry, heat conditioning, room conditioning, 99.9%
10 wash/dry, heat conditioning, room conditioning

### HOOD MATERIAL BURST STRENGTH

<b>Nomex Blend</b> 375 N	<b>GORE® Particulate Blocking Layer</b> 277 N
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### FLAME RESISTANCE TEST 1

AFTER FLAME	
<b>Nomex Blend</b> as received 0 seconds after 5 washes 0 seconds	<b>GORE® Particulate Blocking Layer</b> as received 0 seconds after 5 washes 0 seconds
CHAR LENGTH (wales x courses)	
<b>Nomex Blend</b> as received 47 mm x 41 mm after 5 washes 46 mm x 45 mm	<b>GORE® Particulate Blocking Layer</b> as received 80 mm x 69 mm after 5 washes 72 mm x 58 mm

### CLEANING SHRINKAGE RESISTANCE TEST

HOOD MEASUREMENT	-1%
FACE OPENING MEASUREMENT	within requirement

### HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

HOOD MEASUREMENT	
as received -0.9%	
after 5 washes -1.5%	
FACE OPENING MEASUREMENT	
as received within requirement	
after 5 washes within requirement	

### MELT, SEPARATE, IGNITE WHEN EXPOSED TO FLAME

as received None
after 5 washes None

### SEAM BREAKING STRENGTH TEST

<b>Nomex Blend</b> 397 N	<b>GORE® Particulate Blocking Layer</b> 269 N
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Nomex Blend Fabric Performance Values in accordance with NFPA 1971-2018 test report dated 9/26/2017 performed by Underwriters Laboratories  
 GORE® Particulate Blocking Layer Fabric Performance Values in accordance with NFPA 1971-2018 test report dated 9/26/2017 performed by Underwriters Laboratories  
 all weights and measurements are approximate  
 Positive values indicate increase in dimensions. Negative values indicate shrinkage.  
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