

# Nomex Blend WHITE PAC IA

## PAC IA HOOD DESIGN SPECIFICATIONS

<b>PART #</b>	NB PAC IA
<b>DESIGN</b>	
<b>HEAD</b>	Economical one piece, traditional head design with notched shoulder
<b>BIB (APRON)</b>	n/a
<b>LAYERS</b>	
<b>HEAD</b>	Nomex Blend WHITE (2 ply)
<b>BIB (APRON)</b>	n/a
<b>LENGTH</b>	
<b>HEAD</b>	18"
<b>BIB (APRON)</b>	n/a
<b>OVERALL</b>	18"
<b>SIZING</b>	
	UNIVERSAL size

<b>HOOD OPENING DESIGN</b> (aka FACE OPENING)	
	Circular FACE OPENING (HOOD OPENING)
	Sewn with 1/2" elastic. Elastic is encapsulated in material and cover stitched.

<b>HOOD OPENING SIZE RETENTION TEST</b> (aka HOOD FACE OPENING SIZE RETENTION TEST)	
	REQUIREMENT HOOD FACE OPENING SHALL BE ABLE TO BE STRETCHED TO A CIRCUMFERENCE OF AT LEAST 31" (800mm)
	REQUIREMENT HOOD FACE OPENING SHALL SLIDE FREELY OVER TOP PORTION (hood measuring device)
	REQUIREMENT HOOD FACE OPENING SHALL NOT SHOW ANY GAPS WHEN ON BOTTOM PORTION (hood measuring device)

<b>HOOD FACE OPENING</b>	
	stretched to a circumference of at least 31" YES
<b>HOOD FACE OPENING</b>	
	slides freely over top portion (of hood measuring device)
	before stretching YES
	after stretching 50 times YES
<b>HOOD FACE OPENING</b>	
	gaps when on bottom portion (of hood measuring device)
	before stretching NO
	after stretching 50 times NO

<b>BINDING</b>	
	Binding of same material to enhance design with a finished look

<b>THREAD</b>	
	WHITE Nomex Thread

<b>THREAD MELTING TEST</b> (aka THREAD MELTING RESISTANCE)	
	REQUIREMENT THREAD MUST NOT MELT BELOW 260°C (500° F)

<b>SEAMS</b>	
	Head design with traditional central head seam (comfortable central seam)
	Safety lock cover-stitch of seams.

<b>SEAM BREAKING STRENGTH TEST</b>	
	REQUIREMENT NOT LESS THAN 181 N (41 lbf)
	after 5 launderings 689 N

<b>CERTIFICATIONS and COMPLIANCE</b>	
	NFPA 1971-2018 UL Certified
	Compliant with CAL-OSHA, Sections 3406(d) and 3410(d)
	Complies with OSHA Rule 29 CFR Part 1910, 269
	Passes Federal Test 191, Method 5903.2
	NFPA 70E - see comments under ARC THERMAL PERFORMANCE VALUE section is applicable

## Nomex Blend FABRIC PERFORMANCE VALUES

<b>FABRIC CONSTRUCTION</b>		
<b>CONTENT</b>		20% Nomex / 80% Lenzing FR
<b>CONSTRUCTION</b>		1 x 1 Rib Knit
<b>WEIGHT</b>		7.0 oz / yd <sup>2</sup> (+1 / -.5)
<b>COLOR</b>		WHITE (Standard)

<b>THERMAL PROTECTIVE PERFORMANCE</b> (TPP)		
REQUIREMENT NOT LESS THAN 20		
	as received (2 ply)	20.4 cal/cm <sup>2</sup>
	after 5 launderings (2 ply)	20.5 cal/cm <sup>2</sup>

<b>BURST STRENGTH</b> (KNIT MATERIALS)		
REQUIREMENT NOT LESS THAN 225 N (51 lbf)		
		349 N

<b>FLAME RESISTANCE TEST 1</b>		
REQUIREMENT SHALL NOT HAVE AFTERFLAME OF MORE THAN 2 SECONDS		
REQUIREMENT SHALL NOT HAVE CHAR LENGTH OF MORE THAN 100mm (4 in)		
REQUIREMENT SHALL NOT MELT OR DRIP		

<b>AFTER FLAME</b>	as received	0 seconds
	after 5 launderings	0 seconds
<b>CHAR LENGTH</b> (wales x courses)	as received	56 mm x 58 mm
	after 5 launderings	56 mm x 57 mm
<b>MELT or DRIP</b>	as received	NONE
	after 5 launderings	NONE

<b>CLEANING SHRINKAGE RESISTANCE TEST</b>		
REQUIREMENT HOOD MEASUREMENT SHALL NOT SHRINK MORE THAN 5%		
REQUIREMENT HOOD FACE OPENING SHALL SLIDE FREELY OVER TOP PORTION (hood measuring device)		
REQUIREMENT HOOD FACE OPENING SHALL NOT SHOW ANY GAPS WHEN ON BOTTOM PORTION (hood measuring device)		

<b>HOOD MEASUREMENT</b>	after 5 launderings	-2%
<b>HOOD FACE OPENING</b>		
	slides freely over top portion (of hood measuring device)	
	as received	YES
	after 5 launderings	YES
<b>HOOD FACE OPENING</b>		
	gaps when on bottom portion (of hood measuring device)	
	as received	NO
	after 5 launderings	NO

<b>HEAT AND THERMAL SHRINKAGE RESISTANCE TEST</b>		
REQUIREMENT HOOD MEASUREMENT SHALL NOT SHRINK MORE THAN 10%		
REQUIREMENT HOOD FACE OPENING SHALL SLIDE FREELY OVER TOP PORTION (hood measuring device)		
REQUIREMENT HOOD FACE OPENING SHALL NOT SHOW ANY GAPS WHEN ON BOTTOM PORTION (hood measuring device)		
REQUIREMENT SHALL NOT MELT, DRIP, SEPARATE, OR IGNITE		

<b>HOOD MEASUREMENT</b>	as received	less than 1%
	after 5 launderings	less than 1%
<b>HOOD FACE OPENING</b>		
	slides freely over top portion (of hood measuring device)	
	as received	YES
	after 5 launderings	YES
<b>HOOD FACE OPENING</b>		
	gaps when on bottom portion (of hood measuring device)	
	as received	NO
	after 5 launderings	NO
<b>MELT, DRIP, SEPARATE, IGNITE</b>		
	as received	NO
	after 5 launderings	NO

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## LABEL and WARNING AND USER INFORMATION

### LABEL attached to hood:

Identifies fabric, hood style, lot # traceability, DOM, CLEANING, PRECAUTIONS, and STORAGE instructions, and UL Certification.

### WARNING AND USER INFORMATION GUIDE attached to hood:

Identifies imperative information. Please review before wearing.

## LABEL DURABILITY AND LEGIBILITY TEST 1

REQUIREMENT SHALL REMAIN ATTACHED AND SHALL BE LEGIBLE

### LAUNDERING DURABILITY TEST

torn	NO
legible	YES
in place	YES

### ABRASION DURABILITY TEST

torn	NO
legible	YES

### HEAT DURABILITY TEST

torn	NO
legible	YES

## LABEL HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

REQUIREMENT SHALL NOT MELT, DRIP, SEPARATE, OR IGNITE

### MELT, DRIP, SEPARATE, OR IGNITE

as received	NO
after 10 launderings	NO

## LABEL FLAME RESISTANCE TEST 1

REQUIREMENT SHALL NOT HAVE AFTERFLAME OF MORE THAN 2 SECONDS

REQUIREMENT SHALL NOT MELT OR DRIP

### AFTER FLAME

as received	0 seconds
after 5 launderings	0 seconds

### CONSUMED

as received	NO
after 5 launderings	NO

### MELT or DRIP

as received	NO
after 5 launderings	NO

## ARC THERMAL PERFORMANCE VALUE

NFPA 70E PERFORMANCE SPECIFICATIONS OF ASTM F 1959/F 1959M-06ae1:

	ATPV	HAF (Heat Attenuation Factor)
1 ply Nomex Blend	n/a	n/a
2 ply Nomex Blend	13 cal/cm <sup>2</sup> (HRC 2)	88%

## CLEANING, PRECAUTIONS, AND STORAGE

DO NOT wash with personal items DO NOT use bleach. DO NOT use fabric softeners. DO NOT dry clean. DO NOT line-dry in direct sunlight. DO NOT store in direct sunlight. Store only when clean, dry, and free of contamination. Regular mild detergent. Machine or hand wash in warm water, not to exceed 105°F. Tumble dry low heat, not to exceed 105°F.

## WARRANTY

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 particular purpose. MFA, Inc. shall not be liable for incidental or consequential damages.

## AFTERMARKET ALTERATIONS

DO NOT attempt to alter or modify your hood. Hoods should not be altered to accommodate after market accessories. Any aftermarket alteration, modification or addition will VOID the WARRANTY and will impact the UL Certification of compliance with the current NFPA standard. The only modification permitted is the **Marking Recommendation** below:

**Marking Recommendation** – If permitted by your department or organization, for identification purposes, you may mark your protective hood. Mark your hood in areas that are not exposed during normal wearing. If you mark the product label (sewn into hood), do not write over or obscure information on the product label. When marking, use an indelible marker.

