

P84 YELLOW PAC II

PAC II HOOD DESIGN SPECIFICATIONS

PART #	P84 PAC II
DESIGN	
HEAD	Traditional head design
BIB (APRON)	Long notched shoulder bib design
LAYERS	
HEAD	P84 YELLOW (2 ply)
BIB (APRON)	P84 YELLOW (2 ply)
LENGTH	
HEAD	13"
BIB (APRON)	8"
OVERALL	21"
SIZING	
	UNIVERSAL size

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

HOOD OPENING SIZE RETENTION TEST (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)	

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

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

THREAD	
	WHITE Nomex Thread

THREAD MELTING TEST (aka THREAD MELTING RESISTANCE)	
REQUIREMENT THREAD MUST NOT MELT BELOW 260°C (500° F)	
	COMPLIES

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

SEAM BREAKING STRENGTH TEST	
REQUIREMENT NOT LESS THAN 181 N (41 lbf)	
	after 5 launderings 1051N

CERTIFICATIONS and COMPLIANCE	
	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

P84 FABRIC PERFORMANCE VALUES

FABRIC CONSTRUCTION	
CONTENT	40% P84 / 55% Lenzing FR / 5% Kevlar
CONSTRUCTION	1 x 1 Rib Knit
WEIGHT	8.0 oz / yd ² (+1 / -5)
COLOR	YELLOW (Standard)

THERMAL PROTECTIVE PERFORMANCE (TPP)	
REQUIREMENT NOT LESS THAN 20	
	as received (2 ply) 23.7 cal/cm ²
	after 5 launderings (2 ply) 25.5 cal/cm ²

BURST STRENGTH (KNIT MATERIALS)	
REQUIREMENT NOT LESS THAN 225 N (51 lbf)	
	481 N

FLAME RESISTANCE TEST 1	
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	

AFTER FLAME	as received	0 seconds
	after 5 launderings	0 seconds
CHAR LENGTH (wales x courses)	as received	96 mm x 54 mm
	after 5 launderings	80 mm x 63 mm
MELT or DRIP	as received	NONE
	after 5 launderings	NONE

CLEANING SHRINKAGE RESISTANCE TEST	
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)	

HOOD MEASUREMENT	after 5 launderings	less than 1%
HOOD FACE OPENING	slides freely over top portion (of hood measuring device)	
	as received	YES
	after 5 launderings	YES
HOOD FACE OPENING	gaps when on bottom portion (of hood measuring device)	
	as received	NO
	after 5 launderings	NO

HEAT AND THERMAL SHRINKAGE RESISTANCE TEST	
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	

HOOD MEASUREMENT	as received	less than 1%
	after 5 launderings	less than 1%
HOOD FACE OPENING	slides freely over top portion (of hood measuring device)	
	as received	YES
	after 5 launderings	YES
HOOD FACE OPENING	gaps when on bottom portion (of hood measuring device)	
	as received	NO
	after 5 launderings	NO



ISO 9001 Registered Manufacturer

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MELT, DRIP, SEPARATE, IGNITE

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 P84	n/a	n/a
2 ply P84	22.9 cal/cm ² (HRC 2)	89.7%

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.





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LABEL CERTIFICATION AND SPECIFICATIONS: In accordance with NFPA 1977-2016 and NFPA 1951-2013 test report dated OCT 2017 performed by underwriters Laboratories issued to label vendor

ALL WEIGHTS AND MEASUREMENTS ARE APPROXIMATE

