

PRODUCT SPECS



NAVY NOMEX® COVERALLS WITH REFLECTIVE STRIPING

Flame & Electric Arc Hazard Protection • Part # 605-NMX-6-N-RH1-SIZE



FEATURES

- Navy coveralls made from 6 oz./sq. yd. Nomex® IIIA
- Arc rated at 5.7 ATPV
- Protective against flame hazards and electric arc
- FR Yellow-silver-yellow hi-visibility triple trim striping around lower arms and legs, around upper waist, and down each shoulder front and back (RH1 striping pattern)
- Two (2) chest pockets, two (2) rear patch pockets, and two (2) side slit waist pockets
- Part #605-NMX-N-RH1-SIZE

STANDARDS & CERTIFICATIONS

Nomex® IIIA

- NFPA 70E PPE Category 1
- NFPA 2112
- ASTM F1959 and ASTM F1506

FR REFLECTIVE TAPE

- ANSI-107 Class 2 for High Visibility

WWW.CHICAGOPROTECTIVE.COM



Omniweave™

PROVEN RELIABLE and DURABLE PROTECTION

TenCate Omniweave™ fabrics are perfect for head-to-toe protection against flash fire, electric arc (HRC 1) and other dangerous conditions. Garments made with Nomex® IIIA fabric combine exceptional flame resistance with excellent durability, wash after wash.

- **Inherently flame resistant** – FR properties are built-in and won't wash out or wear out. Meets and exceeds NFPA 2112 and NFPA 70E HRC 1 performance standards
- **Proven Nomex performance** – Flame-resistant protection for a broad range of high-risk industries.
- **Excellent durability** – Retains professional appearance, even after rugged use and multiple launderings
- **Wickwell™ Plus** – Unmatched wickability moves perspiration away from the body and spreads moisture for improved dissipation, keeping you drier and more comfortable.

TenCate Omniweave™ delivers peace of mind when lives are on the line.



Fire Service Navy



www.tencateprotectivefabrics.com



PHYSICAL PROPERTIES	TenCate Omniweave™			NFPA 2112 Requirements
	4.5 / Plain	6.0 / Plain	7.5 / Plain	
FABRIC WEIGHT (oz/yd ²) / WEAVE	4.5 / Plain	6.0 / Plain	7.5 / Plain	
FIBER BLEND	Nomex® IIIA	Nomex® IIIA	Nomex® IIIA	
FINISH	Wickwell™ Plus	Wickwell™ Plus	Wickwell™ Plus	
STANDARD COLORS (other colors available upon request)	●●●●●●●●	●●●●●●●●	●●	
FLAME RESISTANCE ASTM D 6413-99 Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])	<4.0 <2.0	<4.0 <2.0	<4.0 <2.0	4.0 max 2.0 max
HEAT TRANSFER PROTECTION (b/w) NFPA 2112 (cal/cm ²)	10.5 5.5	12.0 6.0	14.0 7.5	6.0 min. (w/ spacer) 3.0 min. (no spacer)
FLASH FIRE EXPOSURE (Manikin test) ASTM F 1930 (% body burn [2.0 cal/cm ² · sec] at 3 seconds)	pass	pass	pass	50.0 max
ARC THERMAL PERFORMANCE ATPV ASTM F 1959 (cal/cm ²)	4.6–4.8	5.7–5.9	6.6–6.9	
TENSILE STRENGTH (lbs [warp x fill]) ASTM D 5034	170 x 100	240 x 150	250–230	
ELMENDORF TEAR STRENGTH (lbs [warp x fill]) ASTM D 1424	10 X 7	12 X 8	14 X 12	
DIMENSIONAL STABILITY AATCC 135 3-IV, Aiii (both directions)	≤ 3.0	≤ 3.0	≤ 3.0	
AIR PERMEABILITY (ft ³ /ft ² /minutes) ASTM D 737	210	80	60	
WASHING COLORFASTNESS 140°F Industrial Wash, 160°F Max Stack Dry [25x]	*4 *4	*4 *4	*4 *4	
COLORFASTNESS TO XENON LIGHT (20 hours) AATCC 16	*3–4	*3–4	*3–4	
WICKING (Distance in seconds) (1" strip, tap water)	0.5 inches 1.0 inches 1.5 inches 2.0 inches	3 10 27 58	3 12 34 70	
PILLING RESISTANCE ASTM D 3512 30 minutes 60 minutes 90 minutes 120 minutes	*4 *5 *5 *5	*4 *5 *5 *5	*3 *4 *5 *5	
HEAT & THERMAL SHRINKAGE RESISTANCE (%[500°F, 5 minutes]) After 100 Industrial Launderings	3.0%	3.0%	3.0%	

*Rating: 5-Best, 3-Acceptable, 1-Poor

CONTACT US AT:

TenCate Protective Fabrics

6501 Mall Blvd.
 P.O. Box 289
 Union City, GA 30291

PH: 1.800.241.8630
 FX: 1.770.969.6846
 tencateprotectivefabrics.com



Finishing and Non-woven are
 ISO-9001 Certified Facilities.

All listed test data and ranges represent typical values. All test data and ranges are the result of multiple tests unless otherwise stated. To the best of our knowledge, the information contained herein is accurate. However, TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

©2012 TenCate Protective Fabrics. TenCate is a trademark of Royal Ten Cate. Omniweave is a trademark of TenCate Protective Fabrics. Wickwell is a trademark of TenCate Protective Fabrics. DuPont, Kevlar, Nomex, and E89 are trademarks or registered trademarks of DuPont or its affiliates.

3/2012 Omniweave 940.1233 with sample