

CERTIFICATE OF COMPLIANCE

Certificate Number 121615-MH14674
Report Reference MH14674-20151216
Issue Date 2015-December-16

Issued to: Atlantic Thread & Supply Co. Inc.
Unit G & H
8515 Kelso Dr.
Baltimore, MD 21221


This is to certify that representative samples of Thread for Use in Personal Protective Equipment
CRAQ-Spun AR in any size or color

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, 2013 Edition; NFPA 1975, Standard on Emergency Services Work Clothing Elements, 2014 Edition; NFPA 1951, Standard on Protective Ensembles for Technical-Rescue Incidents, 2013 Edition; NFPA 2112, Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire, 2012 Edition

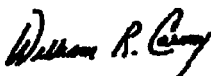
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 083016-MH14674
Report Reference MH14674-20160830
Issue Date 2016-August-30

Issued to: Atlantic Thread & Supply Co Inc
Unit G & H
8515 Kelso Dr
Baltimore, MD 21221

This is to certify that Sewing threads for use in protective clothing and equipment
representative samples of See Following Pages

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Following Pages
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog
number, model number or other product designation as specified under "Marking" for the particular
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:
RM, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number 083016-MH14674
Report Reference MH14674-20160830
Issue Date 2016-August-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

PRODUCT DESIGNATION	COMPOSITION	SIZE (TEX)	
		NFPA 1977-2016	ALL OTHER STANDARDS
CRAQ-SPUN® of NOMEX®	100% NOMEX® brand meta-aramid variegated length long staple (VLLS) yarn	27-34	Any
		40-49	
		50-69	
		70-89	
		90+	
CRAQ-SPUN® AR	100% meta-aramid variegated length long staple (VLLS) yarn	21-34	
		35-49	
		50-69	
		70-89	
		90+	
NOMEX® spun	100% NOMEX® brand, TYPE I, short staple meta-aramid yarn	40-49	
		50-69	
		70-89	
		90+	
CRAQ-SPUN® PARA-ARAMID	100% para-aramid variegated length long staple (VLLS) yarn	35-49	
		50-69	
		70-89	
		90+	
CRAQ-SPUN® of KEVLAR®	100% KEVLAR® brand para-aramid variegated length long staple (VLLS) yarn	N/A	

NOMEX® - DuPont trademark for meta-aramid fiber

KEVLAR® - DuPont trademark for para-aramid fiber

CRAQ-SPUN® - registered trademark of Atlantic Thread & Supply to designate variegated length long staple (VLLS) yarns, such as TYPE II yarns made of meta-aramid fibers or para-aramid fibers. TYPE II yarns are designated as High Performance in U.S. Gov't Commercial Item Description (CID) A-A-55217 for meta-aramid fibers and A-A-55195 for para-aramid fibers.

Threads evaluated to standards other than NFPA 1977-2016 edition may bear the UL Mark in any size offerings. Threads evaluated per NFPA 1977-2016 edition can only bear the UL Mark when the size is within the size ranges described above. Any size other than noted above for compliance with NFPA 1977-2016 is not eligible to bear the UL Mark.



Bruce Mahrenholz, Director North American Certification Program

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STANDARDS FOR SAFETY

The threads have been found to meet the thread performance requirements of the standards as follows:

Sewing Threads					
Standard, Edition	NFPA 1971	NFPA 1951	NFPA 1977	NFPA 1975	NFPA 2112
	2013	2013	2016	2014	2012
CRAQ-SPUN® of NOMEX®	X	X	X	X	X
CRAQ-SPUN® AR	X	X	X	X	X
NOMEX® spun	X	X	X	X	X
CRAQ-SPUN® PARA-ARAMID	X	X	X	X	X
CRAQ-SPUN® of KEVLAR®	X	X		X	X

Standard	Title	Edition
NFPA 1971	Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	2013
NFPA 1951	Standard on Protective Ensembles for Technical Rescue Incidents	2013
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting	2016
NFPA 1975	Standard on Emergency Services Work Clothing Elements	2014
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire	2012

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Bruce Mahenholz, Director North American Certification Program
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