Thank you for giving UL the opportunity to partner with you.

Inspections at your plant will be conducted by the Inspection Center in your vicinity. More information on Follow-up Service Inspections can be found at https://www.ul.com/resources/follow-up-services-additional-resources.
Please note, Follow-Up Procedure Revisions or Report Revisions do not include Authorization Pages, Indices, Section General, and/or Appendices unless revisions were required or requested.

Should you have any questions, after reviewing the material, or need to report any inaccuracies, please reach out to your UL representative or find UL contact details for your local Customer Service Department at https://www.ul.com/about/locations.

Please find attached the related material

For your convenience, the below describes the related updates:

MQ7429-Vol1-AuthorizationPage
MQ7429-vol1-RecCompMarkData
MQ7429-vol1-Index
MQ7429-vol1-Appendix
MQ7429-vol1-AppendixStandardized
MQ7429-vol1-SectionGeneral
MQ7429-20250730-Description

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Times change, Trust Remains™

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

LIFESAVING EQUIPMENT, MARINE - COMPONENT
(OPET2)

Manufacturer:	SEE ADDENDUM FOR MANUFACTURER LOCATIONS
Applicant:	3589912 (Party Site) SHINSUNG VINA CO., LTD. Lot CN04, Cam Khe Industrial, Cam Khe Town, Cam Khe District Phu Tho Province VN
Recognized Company:	3589912 (Party Site) SAME AS APPLICANT

Use of the Mark

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party. The UL Contracting Party for Follow-Up Services is listed in the addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

It is the responsibility of the Applicant, Manufacturer(s), and Recognized Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

Additional Responsibilities

Additional responsibilities, duties and requirements for the Applicant and Manufacturers are defined under Additional Resources at the following website: https://www.ul.com/fus. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at https://www.ul.com/aboutul/locations/, select a location and enter your request, or call the number listed for that location.

Acceptance of Follow-Up Services

The Applicant and the specified Manufacturer(s) and any Recognized Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable service agreement is a Global Services Agreement ("GSA"), the Applicant, the specified Manufacturer(s), and any Recognized Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of a) use of the prescribed UL Mark, b) acceptance of the factory inspection, or c) payment of the Follow-Up Service fees. The Service Agreement incorporates such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking the following link: https://www.ul.com/resources/contracts/follow-up-service-terms. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

Use and Ownership of the Follow-Up Service Procedure

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the Applicant, the specified Manufacturer(s), and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding

that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Definition of Terms

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

No Third Party Liability

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

Certification Body

UL LLC has signed below solely in its capacity as the certification body to indicate that this Follow-Up Service Procedure fulfills the requirements for certification documentation issued by the certification body. The certification body's accreditation status for the applicable certification scheme and identification of the accreditation body can be found at https://www.ul.com/resources/accreditation.

Deborah Jennings-Conner
VP Regulatory Services
UL LLC

LOCATION

3589912 (Party Site)
SHINSUNG VINA CO., LTD.
Lot CN04, Cam Khe Industrial, Cam Khe Town, Cam Khe District
Phu Tho Province VN
Factory ID: None
UL Contracting Party for above site is: UL GmbH

Recognized Component Marking Data Page (RCMDP)

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

RECOGNIZED COMPONENT MARKING

Products Recognized under UL's Component Recognition Service are identified by marking elements consisting of:

1. The Recognized Company's identification specified in this document.
2. A catalog, model or other applicable product designation specified in the descriptive sections of this document.
3. The UL Recognized Component Mark shown below.

Only those components, which actually bear the Marking, should be considered as being covered under the Recognition Program. The UL Listing or Classification Mark is not authorized for use on or in connection with Recognized Components.

Recognized Component Mark



Minimum size of the Recognized Component Mark is not specified as long as it is legible. Minimum height of the registered symbol ® shall be 3/64 inch but may be omitted if it is out of proportion to the Recognized Component Mark or not legible to the naked eye.

The manufacturer may reproduce the Mark electronically. Any decision regarding the acceptability of the manufacturer's Mark reproduction will be made at the Reviewing Office.

DESCRIPTIVE SECTIONS:

MODEL/STYLE DESIGNATION	TYPE OF COMPONENT	SECTION
PP-PFD-WB	Webbing	1

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

APPENDIX B - INSTRUCTIONS FOR FIELD REPRESENTATIVE'S SAMPLE SELECTION

Table 1
Sample Selection Guide

Number of Samples Per Style, Composition and Thickness	Size of Samples	Test Name
1	No less than 270 in (686 cm)	Ultimate Breaking Strength
		Qualitative Infrared Analysis

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

The samples forwarded by the Field Representative to the UL in accordance with Sp. App. B shall be subjected to the applicable test described below.

QUALITATIVE INFRARED ANALYSIS: (NON-NYLON WEBBING OR TIE TAPES)

A sample shall be subjected to the Qualitative Infrared Analysis (IR) in accordance with the Standard for Polymeric Materials – Short Term Property Evaluations, UL 746A, and with the requirements listed below. The results shall comply with the Basis for Acceptability.

Method

An infrared spectrum of the material shall be obtained using an infrared spectrophotometer. The instruments used shall be set to the same settings used in obtaining the original spectrum as indicated in the Procedure.

Basis For Acceptability

The spectrum obtained shall correlate with the spectrum in the Procedure obtained during the initial investigation as indicated in the Procedure.

METHOD FOR REPORTING RESULTS

The results of the tests shall be reported by a letter to the manufacturer.

DIFFERENTIAL SCANNING CALORIMETRY: (NYLON WEBBING)

Method

A thermogram of the material shall be obtained using a thermal analyzer with a differential scanning calorimeter module. The instruments used shall be set to the same settings used in obtaining the original spectrum, as indicated in the Procedure.

Basis For Acceptability

The thermogram obtained shall indicate the same thermal response over the programmed temperature range as the Procedure during the initial investigation, as indicated in the Procedure.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

ULTIMATE BREAKING STRENGTH TEST:

SAMPLES

Five (5) 48 in. (121 cm) long samples are to be used.

APPARATUS

A CRE or CRT tensile test machine is required with the following specifications:

Separation Speed: 3 ± 1 in/min (76 ± 25 mm/min)
Clamps: Split Drum Type
Initial Jaw Separation: 4 – 10 in. (101 – 254 mm)

METHOD

Each sample shall be mounted between clamps of the tensile test machine by clamping the webbing in the upper and lower jaws.

The jaws are to be separated until breakage occurs. The maximum force required to cause rupture is to be recorded.

BASIS FOR ACCEPTABILITY

The average breaking strength value shall be within the range specified in the descriptive section(s) of the Procedure.

In addition, four out of the five samples shall have a breaking strength of at least the minimum value specified for the Ultimate Breaking Strength Test.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

MANUFACTURER'S EXAMINATIONS, SAMPLE SELECTION AND TESTS

GENERAL

GENERAL

The tests and examinations described shall be performed by the manufacturer as specified. Samples for tests shall be prepared by the manufacturer, or UL Representative, from a random selection process from each lot of webbing.

Lot sizes shall not exceed 15,000 linear yards of webbing of only one color. Random sampling is to be conducted when the entire lot of webbing has been completed. The number of samples indicated in the production tests, is for one color only. An equal number of samples shall be provided for each additional lot to be tested.

For purposes of traceability, it is proposed that a new lot number be established at the factory when there is any change in (1) the raw material, (2) the production method, (3) construction parameters, and (4) production schedule such as change in shift, start-up or shut-down.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

PRODUCTION EXAMINATION

SAMPLES

One roll of at least 25 linear yards of finished webbing is to be used.

METHOD

A complete examination of the product against the descriptive pages in this document shall be conducted. The examination shall cover construction details, dimensions, markings and workmanship on each sample.

BASIS FOR ACCEPTABILITY

Results of the sample inspection are to be recorded to verify (1) compliance with the specifications in the descriptive section(s) of the Procedure and Section General; (2) that first-class workmanship is inherent in the product; and (3) that the product is free from defects which may materially affect its serviceability. Products considered "seconds" or "irregulars" shall not be accepted. A product with surface imperfections such as color deficiencies, or with other minor defects in optional or decorative features, is generally not considered as "second" or "irregular" if it complies with all other requirements. However, it may not have any marking indicating that it has imperfections. Acceptance of a questionable product is to be cleared by the Responsible Office.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

ULTIMATE BREAKING STRENGTH TEST:

SAMPLES

Five (5) 48 in. (121 cm) long samples are to be used.

APPARATUS

A CRE or CRT tensile test machine is required with the following specifications:

Separation Speed: 3 ± 1 in/min (76 ± 25 mm/min)
Clamps: Split Drum Type
Initial Jaw Separation: 4 – 10 in. (101 – 254 mm)

METHOD

Each sample shall be mounted between clamps of the tensile test machine by clamping the webbing in the upper and lower jaws.

The jaws are to be separated until breakage occurs. The maximum force required to cause rupture is to be recorded.

BASIS FOR ACCEPTABILITY

The average breaking strength value shall be within the range specified in the descriptive section(s) of the Procedure.

In addition, four out of the five samples shall have a breaking strength of at least the minimum value specified for the Ultimate Breaking Strength Test.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

WEBBING

MANUFACTURER'S TEST EQUIPMENT

The manufacturer shall provide the test equipment described below for performing the tests appropriate to the product.

1. A Constant Rate-of-Extension (CRE) Tensile Test Machine is required for conducting the Ultimate Breaking Strength Test. The machine shall be equipped with a device for measuring peak load.

Issued: 2011-07-25

STANDARDIZED APPENDIX PAGES
Subject 1191

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LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

STANDARDIZED APPENDIX PAGES

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LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

APPENDIX A - FIELD REPRESENTATIVE'S RESPONSIBILITIES AND INSTRUCTIONS FOR EXAMINATION OF THE PRODUCT

GENERAL

The Field Representative’s general responsibilities, as part of the Follow-Up Services Procedure, are as noted in the published document titled, “UL Mark Surveillance Requirements”, and is available through UL’s secure customer portal MyHome@UL.com and/or through UL’s internet site www.UL.com. Manufacturers that do not have Internet access may obtain the current version of these requirements from their local UL Customer Service Representative or UL Field Representative.

PROCEDURE IN THE EVENT OF NONCONFORMANCE

When a product does not comply with the Follow-Up Service Procedure require that the manufacturer implement appropriate action as outlined in the “UL Variation Notice and Corrective Action Requirements” document.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

APPENDIX B - INSTRUCTIONS FOR FIELD REPRESENTATIVE'S SAMPLE SELECTION

UL REPRESENTATIVE

Certain products covered by this Procedure employ constructions or materials requiring Follow-Up Tests at UL. Annually, the UL Representative shall select the required number of samples in accordance with Table 1 – Sample Selection Guide, as shown in Sp. App. B.

The Field Representative is responsible for selecting the quantity of samples at the stated frequency for Follow-Up testing in accordance with the Sample Selection criteria noted above. Samples shall be identified and tagged with the applicable information using a Sample Tag (Form 3000-217). Unless otherwise stated, the Field Representative shall inform the manufacturer that the samples are to be forwarded to the Test Office(s) as designated on the specific Procedure Volume subscriber card.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

APPENDIX C - INSTRUCTIONS FOR FOLLOW-UP TESTS AT UL

The sample(s) forwarded by the UL Representative to UL in accordance with Appendix B shall be subjected to the applicable tests described in Sp. App. C.

LIFESAVING EQUIPMENT, MARINE-COMPONENT (OPET2)

APPENDIX D - MANUFACTURER' S RESPONSIBILITIES, CONSTRUCTION CONSIDERATIONS, AND REQUIREMENTS FOR FACTORY TESTS

The Follow-Up Service Procedure covering the product is loaned to the manufacturer and constitutes the basis on which the product is judged for compliance with the applicable requirements.

MANUFACTURER' S RESPONSIBILITIES

GENERAL

The Manufacturer’s general responsibilities, as part of the Follow-Up Services Procedure, are as noted in the published document titled, “UL Mark Surveillance Requirements”, and is available through UL’s secure customer portal MyHome@UL.com and/or through UL’s internet site www.UL.com. Manufacturers that do not have Internet access may obtain the current version of these requirements from their local UL Customer Service Representative or UL Field Representative.

Conduct the Factory Tests detailed in Sp. App D.

GENERAL

PRODUCTS COVERED:

Webbing for Personal Flotation Devices.

REQUIRED SHIPPING LABEL MARKINGS:

Each shipping label shall be permanently and clearly marked in a color which contrasts with the color of the surface on which the marking is applied. In all cases, each shipping label shall be marked with the following:

1. The Recognized Company name, or trade name or symbol.

2. The model or style designation.

3. The lot number.

4. The width in inches.

5. One or more of the Use Code(s) specified for the products.

6. The Factory Identifier.

REQUIRED SHIPPING LABEL MARKINGS: CONTINUED

7. The Recognized Component Mark.

The Recognized Component Mark may be part of the manufacturer's nameplate, or it may be directly applied to the product or packaging by die-stamping, molding, rubber stamping, silk screen, etc., in proximity to the above markings. It will not be permissible to add the new Recognized Component Mark by itself to the product or packaging in the form of a separate label, decal or sticker.

It may be reproduced in any size that is legible to the naked eye, generally 3/64 inch high or larger. Engravers may enlarge or reduce the reproduction print below:



OPTIONAL MARKING(S):

1. Composition.
2. Color Identification (e.g. Color Formulation, Color Code, Lab Dye Lot Number, Lab Dip Number).

SPECIAL MARKINGS FOR PRODUCTS WHICH EXCEED THE UPPER LIMIT FOR STRENGTH:

The following statement(s) shall be attached to or marked on the invoice and shall be included with or marked on the smallest unit package for any lot which exceeds the upper limit in the Breaking Strength Test.

"The webbing in this lot exceeds the upper limit for breaking strength and shall not be employed in PFDs used for U.S. Coast Guard Approval testing."

USE CODES:

The Use Code assigned to the component indicates the type of PFD for which the component under consideration is intended. The assigned Use Code further indicates that the component complies with the basic requirements for that component from UL 1191, The Standard for Components for Personal Flotation Devices, and from the applicable Title 46 CFR subpart for the type of PFD for which it is intended. More than one Use Code may apply to the component.

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

Use Code	Type of PFD For Which It Is Intended
1	I - Adult or Child sizes
1F	I - Fully Inflatables
2	II - Adult or Child sizes
2A	II - Adult sizes only
2C	II - Child sizes only
2F	II - Fully Inflatables
3	III - Adult or Child sizes
3A	III - Adult sizes only
3C	III - Child sizes only
3F	III - Fully Inflatables
4	IV - Any or all styles
4B	IV - Any ring buoy
4BC	IV - Cushions
4H	IV - Horseshoe buoys
4RB	IV - Recreational ring buoys
5	V - Any style except hybrids or work vests
5H	V - Hybrids
5SB	V - Recreational sailboard devices
5R	V - Any recreational style Type V except for hybrids
5WV	V - Work vest
6	This Use Code is reserved for special, limited or restricted categories of devices not covered above. When used, the intended application for this Use Code shall be specifically described.

File MQ7429
Project 4791610117 1.1

July 30, 2025

REPORT

on

COMPONENT - LIFESAVING EQUIPMENT, MARINE

SHINSUNG VINA CO., LTD.

Lot CN04, Cam Khe Industrial, Cam Khe Town, Cam Khe District
Phu Tho Province, VN

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DESCRIPTION

PRODUCTS COVERED:

Webbing for Personal Flotation Devices

STYLE	WIDTH (in.)	COMPOSITION	COLOR	USE CODES
PP-PFD-WB	3/4	Polypropylene	Black	1, 1F, 2, 2C, 2F, 3, 3C, 3F, 4BC, 5, 5H, 5R, 5WV
	1			
	1-1/2			

NOTES:

1 - Required Marking. Refer to Section General for description.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

CONDITIONS OF ACCEPTABILITY:

The products covered are for use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

The products covered may be used in place of other Recognized products provided the performance and other pertinent properties are sufficiently similar to render the same performance where used in the end product. Use Codes described in Section General are to be used as a guide.

The Factory/Follow-Up specifications are as follows:

TEST SPECIMEN				FACTORY/FOLLOW-UP SPECIFICATIONS		
				ULTIMATE BREAKING STRENGTH		QUALITATIVE INFRARED ANALYSIS
MODEL	SIZE (inch)	COMPOSITION	COLOR	MINIMUM ACCEPTABLE VALUE (lbf)	MAXIMUM ACCEPTABLE VALUE (lbf)	SPECTRUM #, REF. DATE
PP-PFD-WB	3/4	Polypropylene	Black	505	674	R10847, R6-19-2025
	1			659	879	
	1-1/2			926	1235	

FINISHED WEBBING:

Model	PP-PFD-WB		
Width (inches)	3/4	1	1-1/2
Total Warp Yarns[1] (±2)	56	76	108
Total Stuffer Yarns (±2)	0	0	0
Total Binder Yarns (±2)	10	13	17
Total Filler Picks[2] (±2) per inch	23	23	23
Weight (lb/100yds)[3] (±5%)	1.99	2.62	3.88
Thickness, inches (±5%)	0.051	0.052	0.040
Color	Black	Black	Black

NOTE 1 - Total Warp Yarns is number of yarns running lengthwise in the webbing.
NOTE 2 – Total Filler Picks is number of yarns running crosswise per inch of webbing, perpendicular (at right angles) to the Warp yarns. One Pick is two rows of yarn (24 Filler Picks = 48 yarn rows per inch).
NOTE 3 - Weight of webbing per length in lb/100yds (pounds per 100 yards of length).

General - The general construction and properties shall be as indicated below.

WEBBING:

STYLES: PP-PFD-WB	WARP YARNS	BINDER YARNS	STUFFER YARNS	FILLER YARNS
Yarn Manufacturer	SHINSUNG VINA CO., LTD Lot CN04, Cam Khe Industrial park, Cam Khe Town, Cam Khe District, Phu Tho, VIETNAM			
Material Type	Polypropylene			
Yarn Denier	840D	840D	N/A	840D
Number of Filaments	84	84	N/A	84
Luster	Bright	Bright	N/A	Bright
UV Inhibitors, % by weight	0.025±0.005%	0.025±0.005%	N/A	0.025±0.005%
	N/A = Not Applicable			

Yarn Dye & Finish	Processor(s)	SHINSUNG VINA CO., LTD Lot CN04, Cam Khe Industrial park, Cam Khe Town, Cam Khe District, Phu Tho, VIETNAM
	Dye Process	N/A (Extruded)
	Heat Set Temp.	N/A
Weaver	Processor(s)	SHINSUNG VINA CO., LTD
	Loom Type:	Needle Loom
	Weight (lb/100 yd)	3/4 inch: 2.2 1 inch: 3.0 1-1/2 inch: 3.0
Final Testing & Inspection	Processor(s)	SHINSUNG VINA CO., LTD Lot CN04, Cam Khe Industrial park, Cam Khe Town, Cam Khe District, Phu Tho, VIETNAM
Labeling & Shipping	Processor(s)	SHINSUNG VINA CO., LTD Lot CN04, Cam Khe Industrial park, Cam Khe Town, Cam Khe District, Phu Tho, VIETNAM