### E3. Declaration of Conformity

Declaration of Conformity to ANSI/ISEA 107-2020, High-Visibility Safety Apparel

Certificate No. S88122-2020
Supplier name and address: Tingley Rubber Corporation
1551 S. Washington Ave., Suite 403
Piscataway, NJ 08854
Product information (name, model number, part number or other information as applicable): Class 3 FR Sweatshirt, Fluorescent Yellow-Green
Model Number: S88122
Company declares that the above product meets all set requirements as stated in ANSI/ISEA 107-2020 as a compliant high-visibility safety item for Performance Class_3, Type_R_; All relevant materials have been tested with documents referenced under this certificate number. This item meets all design requirements and has been measured for appropriate amount of visible reflective material and background materials for the smallest size offered for this product.

### 1. VISIBLE BACKGROUND MATERIAL:

• Amount of visible background material (smallest size offered):

0.80m<sup>2</sup> (1240 in.<sup>2</sup>)

Please list each material that contributes towards the amount **VISIBLE BACKGROUND MATERIAL** listed above. Use separate sheet for addition materials.

### Material 1 Identification

Test Lab: Intertek	Material Type: X Knit	tted 🗆 Woven 🗆 Other:
Report #: GZHT91069062	Material Content (su Modacrylic/Cotton B	ch as Polyester, Modacrylic, and others): lend
Date: 11/12/2021	Weight: 10.5 oz	Color: Fl. Yellow-Green
Description: 60% Modeonylic 40%	Cotton Intorlock Knit	

Description: 60% Modacrylic 40% Cotton Interlock Knit

### Material 2 Identification

Test Lab:	Material Type:  Knitted  Woven  Other:
Report #:	Material Content (such as Polyester, Modacrylic, and others):
Date:	Weight: Color:
Description:	

### **Material 3 Identification**

Test Lab:	Material Type: □Knitted □ Woven □ Other: 
Report #:	Material Content (such as Polyester, Modacrylic, and others):
Date:	Weight: Color:
Description:	

### Declaration of Conformity (page 2 of 2)

### 2. VISIBLE RETROREFLECTIVE MATERIAL

• Amount of visible retroreflective material (smallest size offered) 0.20m<sup>2</sup> (310 in.<sup>2</sup>)

Please list each type of material that contributes towards VISIBLE RETROREFLECTIVE MATERIAL listed above.

### **Material 1 Identification**

Test Lab: Intertek	
Report #: GZHT91094580	
Date: 02/17/2022	Style #: VB211A FR B
Description: 50mm Wide heat seal FR s	silver reflective trim

### **Material 2 Identification**

Test Lab:	
Report #:	
Date:	Style #:
Description:	

\*Use separate sheet for additional materials

### 3. OVERALL LUMINANCE

Check here if test report for optional Overall Luminance testing is attached.

The undersigned hereby warrants that he/she is authorized to legally bind the company identified above.

Signed: Mighan BOWSIR	Title:	Product Manager
		¥

Print Name: Meghan Bowser

\_\_\_\_\_Date: 8/17/22



## Certificate of Test

#### Issued To: **TRC NANJING REPRESENTATIVE**

Our Reference No.: GZHT9106906202

OFFICE ROOM 1809,#3 BUILDING DEYING INT'L PLAZA.#222 CHANGHONG ROAD. YUHUÁTAI DISTRICT, NANJING 210012

Certificate Issue Date: Nov 12, 2021

Attn: ANNE WANG Description: One (1) piece of submitted sample said to be FR sweatshirt Lime fabric.

We Hereby Declare That The Sample Described Above Has Been Tested By Intertek Testing Services Shenzhen Ltd. Guangzhou Branch And Meets The Requirements Of The Following Selected Tests Of ANSI/ISEA 107-2020.

Color Performance Of Background And Combined-performance Materials Colorfastness To Crocking Of Background Material Color Fastness To Perspiration Of Background Material Colorfastness To Water Of Background Material Color Fastness To Laundry Of Background Material Dimension Change Of Background Material Bursting Strength Bursting Strength

The test results are given in our report No.: GZHT9106906Ž Dated: Nov 12, 2021

Note:

- This Declaration Applies To The Particular Sample Tested And To The Specific Tests Carried Out As Dated And Detailed In The Report(S) Referenced Above. This Certificate Is Valid Only For The Applicant's Selected Test Items And Must Not Be Used Without 1
- 2 The Attached Test Report.
- This Certificate Must Not Be Confused Neither With The EU Type Examination Certificate Released 3 By Nofified Body Nor With The Conformaity Declaration Released By Manufacturer.

Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

Page 1 Of 1

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch 深圳天祥质量技术服务精限公司广州分公司 ネガリスキーの単式: 木取 第7月7月201/E301/E402/E501/E701/E801, Room 02, 1-8/F. & Room 01, E101/E201/E301/E402/E501/E601/E701/E801, No.7-2, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong, China 广州经济技术开发区科学研究委略 7 日本二第11-855-02 房、01 房 101、 E201、E301、E401、E501、E601、E001、E801 Tel: +86 208213 9001 Pax: #8620 82089999 Postcode: 510663 (6)







Applicant: TRC NANJING REPRESENTATIVE OFFICE ROOM 1809,#3 BUILDING, DEYING INT'L PLAZA,#222 CHANGHONG ROAD, Date: Nov 12, 2021

YUHUATAI DISTRICT, NANJING 210012 Attn: ANNE WANG

Sample Description: One (1) piece of submitted sample said to be FR sweatshirt Lime fabric. Standard ANSI/ISEA 107-2020 1 Buyer **Tingley Rubber Corporation** Ref. No. FR sweatshirt Lime, #EXC21046 Goods Exported to U.S.A Date Received/Date Test Started Oct. 09, 2021 Nov. 10, 2021/--Date Final Information Confirmed/ Date Payment Received:

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at <u>gzfootwear@intertek.com</u>

Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

MR / lydiayang



Page 1 Of 7

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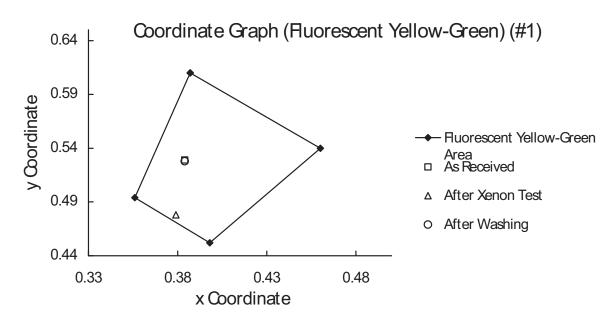


TEST REPORT Tests Conducted (As Requested By The Applicant)

# 1 Color Performance Of Background And Combined-performance Materials (ANSI/ISEA 107-2020, 8.1.1 (Prior To Exposure Tests) & 8.1.2 (After Xenon Test) & ASTM E1164-17)

Sample	Color	Pre-condition	Chrom	naticity Coo	rdinates	Total Luminance Factor	Requirement	Pass/Fail
			3	Х	У	Y (%)		
-	Fluorescent	As	0°	0.3843	0.5286	93	-	-
	Yellow- Green	Received (#1)	90°	0.3843	0.5289	94	-	-
			Mean	0.384	0.529	93	*	Pass
		After Xenon	0°	0.3787	0.4786	82	-	-
		Test (# & #1)	90°	0.3786	0.4781	82	-	-
			Mean	0.379	0.478	82	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								

Sample	Color	Pre-Condition	Chrom	naticity Coo	rdinates	Total Luminance Factor	<u>Applicant's</u> <u>Requirement</u>	Pass/Fail
			3	Х	У	Y (%)		
-	Fluorescent	After Washing	0°	0.3838	0.5275	94	-	-
	Yellow- Green	(#1 & #2)	90°	0.3838	0.5278	94	-	-
			Mean	0.384	0.528	94	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								



/ lydiayang

Intertek Testing Services Shenzhen Lto Guangzhou Branch 深圳天祥质量技大服多猫限公司,一州分公司 Room 02, 1-8/F. & Room 01, E401/E201/E301/E402/E501/E601/E701/E801, No.7-2, Caipin Road, Guangzhou Science City, GETDB, Guangzhou, Guangdong, China 广州经济技术开发区科学研究领路 7, 2, 二第十一人是 02 房、01 房 101、 E201、E3011-1404、E501、E605、7501, E801 Tel: +86 208213 9001 Fax: 196 20 82089999 Postcode: 510663 Page 2 Of 7





Color Performance Of Background And Combined-performance Materials (Cont)

Remark: \* =

Color	Chromaticity Coordinates		Minimum Total Luminance Factor
	х	У	Y (%)
	0.387	0.610	
Fluorescent	0.356	0.494	70
Yellow-Green	0.398	0.452	70
	0.460	0.540	

NOTE The Coordinate Of Sample Should Be Inside The Area Specified By The Table Above.

- # = Xenon Test Based On AATCC 16.3-2014, Colorfastness To Light Xenon Arc. Expose The Materials To 40 AATCC Fading Units (170 KJ/m<sup>2</sup>@420nm).
- #1= Single Layer
- #2 = ISO 6330:2012, Wash Condition:

Washing Standard:	ISO 6330:2012
Machine:	Туре А
Reagent:	Reference Detergent 3
Washing Procedure:	4 N
Bleaching Procedure:	Do Not Bleach
Drying Procedure:	Line Dry
Ironing Procedure:	Iron At A Maximum Sole-Plate Temperature Of $110^{\circ}$ Without Steam
Professional Textile Care Procedure:	Do Not Dry Clean
Number Of Cycles:	25

/ lydiayang







### 2 Colorfastness To Crocking Of Background Material (ANSI/ISEA 107-2020, 8.2.1 & AATCC 8-2016)

Preconditioning:	
Temperature:	(20±2)℃
Relative Humidity:	(65±5)%
Period:	24 Hours

Sample	Test Condition	Results	<b>Requirement</b>	Pass / Fail
-	Dry	Grade 4.5	Min. Grade 3.0	Pass
	Wet	Grade 4.5	Min. Grade 3.0	Pass

3 Colorfastness To Perspiration Of Background Material (ANSI/ISEA 107-2020, 8.2.2 & AATCC 15-2013)

Test Condition:	
Load:	4.54 kg
Oven temperature:	(38 ± 1) ℃
Test Period:	6 h ± 5 min

Sample	Results		Requirement	Pass / Fail	
-	Color Change:		Grade 4.5	Min. Grade 4.0	Pass
	Color Stain:	-Acetate	Grade 4.5		
		-Cotton	Grade 4.5		
		-Nylon	Grade 4.5		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 4.5		

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4 Colorfastness To Water Of Background Material (ANSI/ISEA 107-2020, 8.2.3 & AATCC 107-2013)

Test Condition:Pressure:4.5 kgOven Temperature: $(38 \pm 1) \degree C$ Test Period:18 h

Sample	Results			Requirement	Pass / Fail
-	Color Change:		Grade 4.5	Min. Grade 3.0	Pass
	Staining	-Acetate	Grade 4.5		
		-Cotton	Grade 4.5		
		-Nylon	Grade 4.5		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 4.5		

5 Color Fastness To Laundry Of Background Material (ANSI/ISEA 107-2020, 8.2.3)

Test Method: AATCC 61-2013-2A, Modified To Use 105°F (Domestic Laundry)

Sample			Results	Requirement	Pass / Fail
	Color Change:		Grade 4.5	Min. Grade 4.5	Pass
	Color Stain:	-Acetate	Grade 4.5		
		-Cotton	Grade 4.5		
		-Nylon	Grade 4.5		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 4.5		

Remark: This Test Was Conducted At Room 801/901, No. 8, East BaoYing Road, Huangpu District, Guangzhou.

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Test Condition:





### 6 Dimension Change Of Background Material (Home Laundering) (ANSI/ISEA 107-2020, 8.3 & ASTM D1776-16)

Test Condition: Standard Code: Cleaning Cycles:

AATCC 135-2012 (3)(III)(A)(iii) 5

Sample		Results		Pass / Fail
	Length	-3.2%	±7%	Pass
	Width	-2.4%	$\pm$ 5%	Pass

 Remark: \* =
 Material Type
 Knit Fabrics And All Other Materials

 Length
 Not Exceed ±7%

 Width
 Not Exceed ±5%

Remark: This Test Was Conducted At Room 801/901, No. 8, East BaoYing Road, Huangpu District, Guangzhou.

7 Bursting Strength Of Knitted Materials And Other Nonwoven Constructions (ANSI/ISEA 107-2020, 8.4.1 & ASTM D6797-07(2015))

Preconditioning:Temperature: $(20\pm2)^{\circ}$ Relative Humidity: $(65\pm5)^{\circ}$ Period:24 Hours

Sample	Specimen	Results	<u>Requirement</u>	Pass/Fail
	1	523.0 N	Min. 178 N	Pass
	2	486.5 N	Min. 178 N	Pass
	3	499.0 N	Min. 178 N	Pass
	4	505.5 N	Min. 178 N	Pass
	5	523.5 N	Min. 178 N	Pass
	Average	507.5 N	Min. 178 N	Pass

Remark: This Test Was Conducted At Room 801/901, No. 8, East BaoYing Road, Huangpu District, Guangzhou.

/ lydiayang



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/ lydiayang



Total Quality. Assured. <u>TEST REPORT</u> Tests Conducted (As Requested By The Applicant)



End Of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek



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# intertek

OFFICE

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### Certificate of Test TRC NANJING REPRESENTATIVE

Our Reference No.: GZHT9109458002

Certificate Issue Date: Feb 17, 2022

Attn: Description:

Issued To:

ANNE WANG One (1) piece of submitted sample said to be Hi-Vis VF621A FR B Reflective Tape, #20211015.

We Hereby Declare That The Sample Described Above Has Been Tested By Intertek Testing Services Shenzhen Ltd. Guangzhou Branch And Meets The Requirements Of The Following Selected Tests Of ANSI/ISEA 107-2020.

Retroreflective Performance Prior To Test Exposure

ROOM 1809,#3 BUILDING,

DEYING INT'L PLAZA,#222 CHANGHONG

YUHUATAI DISTRICT, NANJING 210012

**Retroreflection After Abrasion** 

Retroreflection After Flexing

Retroreflection After Folding At Cold Temperatures

**Retroreflection After Temperature Variation** 

**Retroreflection After Washing** 

Retroreflection (Wet Performance)

The test results are given in our report No.: GZHT91094580 Dated: Feb 17, 2022

Note:

- This Declaration Applies To The Particular Sample Tested And To The Specific Tests Carried Out As Dated And Detailed In The Report(S) Referenced Above. This Certificate Is Valid Only For The Applicant's Selected Test Items And Must Not Be Used Without 1
- 2
- The Attached Test Report. This Certificate Must Not Be Confused Neither With The EU Type Examination Certificate Released By Nofified Body Nor With The Conformaity Declaration Released By Manufacturer. 3

Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

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Intertek Testing Services Shenzhen/Ltd. Guangzhou Branch 深圳天祥质量技术服务桶限公司 州分公司 (6)



TEST REPORT



Applicant: TRC NANJING REPRESENTATIVE OFFICE ROOM 1809,#3 BUILDING,

Date: Feb 17, 2022

DEYING INT'L PLAZA, #222 CHANGHONG ROAD, YUHUATAI DISTRICT, NANJING 210012

Attn: ANNE WANG

Sample Description:

One (1) piece of submitted sample said to be Hi-Vis VF621A FR B Reflective Tape, #20211015. Standard ANSI/ISEA 107-2020 5 Buyer **Tingley Rubber Corporation** Ref. No. VF621A FR B Reflective Tape, #20211015 Goods Exported to U.S.A. Date Received/Date Test Started: Jan 27, 2022 Date Final Information Confirmed/ Feb 17, 2022/--Date Payment Received:

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

EC / lydiayang



Page 1 Of 6

Intertek Testing Services Shenzheit/Ltd Guangzhou Branch 深圳天祥质量技兴跟影猫服义词广州分公司 Room 02, 1-8/F. & Room 01, E101/E201/E301/E501/E601/E701/E801, Tel: +86 208213 9001 Pax 4 6 20 8 20 8 9999 Postcode: 510663 6





<u>TEST REPORT</u> Tests Conducted (As Requested By The Applicant)

### 1 Retroreflective Performance Prior To Test Exposure (ANSI/ISEA 107-2020, 9.1 & 10.3 & ASTM E809-08(2013))

Sample	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2=0$ )	Coeffici Retroref cd/(lx	flection	Requirement	Pass/Fail
-	0.20° [12′]	5°	538	538	Min. 330/248 cd/(lx·m <sup>2</sup> ) (*)	Pass
		20°	500	471	Min. 290/218 cd/(lx·m <sup>2</sup> ) (*)	Pass
		30°	441	397	Min. 180/135 cd/(lx·m <sup>2</sup> ) (*)	Pass
		40°	346	314	Min. 65/47 cd/(lx·m <sup>2</sup> ) (*)	Pass
	0.33° [20′]	5°	325	319	Min. 250/188 cd/(lx·m <sup>2</sup> ) (*)	Pass
		20°	298	297	Min. 200/150 cd/(lx·m <sup>2</sup> ) (*)	Pass
		30°	277	257	Min. 170/128 cd/(lx·m <sup>2</sup> ) (*)	Pass
		40°	219	213	Min. 60/45 cd/(lx·m <sup>2</sup> ) (*)	Pass
	1.0°	5°	61.8	60.3	Min. 25/18.8 cd/(lx·m <sup>2</sup> ) (*)	Pass
		20°	65.1	60.9	Min. 15/11.3 cd/(lx·m <sup>2</sup> ) (*)	Pass
		30°	70.8	62.4	Min. 12/9 cd/(lx·m <sup>2</sup> ) (*)	Pass
		40°	75.3	63.0	Min. 10/7.5 cd/(lx·m <sup>2</sup> ) (*)	Pass
	1.5° [1° 30′]	5°	16.4	15.7	Min. 10/7.5 cd/(lx·m <sup>2</sup> ) (*)	Pass
		20°	19.6	16.1	Min. 7/5.25 cd/(lx·m <sup>2</sup> ) (*)	Pass
		30°	24.5	17.4	Min. 5/3.75 cd/(lx·m <sup>2</sup> ) (*)	Pass
		40°	25.1	18.5	Min. 4/3 cd/(lx·m <sup>2</sup> ) (*)	Pass

\*= Retroreflective Material Shall Comply With The Minimum Requirements For The Coefficient Of Retroreflection At The One Of The Two Rotation Angles, And Shall Be Not Less Than 75% Of The Values At The Other Rotation Angle.

Note: Take Measurements At  $\epsilon 1=0^{\circ}$  And  $\epsilon 2=90^{\circ}$ . Maximum Value Is Recorded On Left Side Of The Result Column And The Other Value On Right Side Of Test Result Column.

/ lydiayang



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### 2 Retroreflection After Abrasion (ANSI/ISEA 107-2020, 9.2 & 10.4.1)

Test Exposure	Test Method
Abrasion	ISO 12947-2:2016, Pressure: 9 kPa, 5000 Cycles

Sample		x-Direction (Horizontal: $\epsilon=0^{\circ}$ )			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	507 cd/(lx⋅m <sup>2</sup> )	Min. 100 cd/(lx·m <sup>2</sup> )	Pass

Sample		y-Direction (Vertical: $\epsilon = 90^{\circ}$ )			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	490 cd/(lx⋅m²)	Min. 75 cd/(lx·m <sup>2</sup> )	Pass

### 3 Retroreflection After Flexing (ANSI/ISEA 107-2020, 9.2 & 10.4.2)

Test Exposure	Test Method
Flexing	ISO 7854:1995, Method A, 7500 Cycles

Sample		>	κ-Direction (Horizontal: $ε=0$	° )	
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	472 cd/(lx⋅m²)	Min. 100 cd/(lx·m <sup>2</sup> )	Pass

Sample		y-Direction (Vertical: $\epsilon$ =90°)			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
- [	0.20° [12']	5°	477 cd/(lx⋅m²)	Min. 75 cd/(lx⋅m <sup>2</sup> )	Pass

/ lydiayang





<u>TEST REPORT</u> Tests Conducted (As Requested By The Applicant)

### 4 Retroreflection After Folding At Cold Temperatures (ANSI/ISEA 107-2020, 9.2 & 10.4.3)

Test Exposure	Test Method
Folding At Cold Temperatures	ISO 4675:2017, Exposure At (-20 $\pm$ 1) $^\circ\!\mathbb{C}$ For 4 Hours

Sample		x-Direction (Horizontal: $\epsilon=0^{\circ}$ )			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	521 cd/(lx·m <sup>2</sup> )	Min. 100 cd/(lx·m <sup>2</sup> )	Pass

Sample		y-Direction (Vertical: $\epsilon = 90^{\circ}$ )			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	525 cd/(lx·m <sup>2</sup> )	Min. 75 cd/(lx·m <sup>2</sup> )	Pass

### 5 Retroreflection After Temperature Variation (ANSI/ISEA 107-2020, 9.2 & 10.4.4)

Test Exposure	Test Method
Temperature Variation	a) For 12 H At $50\pm2^{\circ}$ ; Immediately Followed By b) 20 H At $-30\pm2^{\circ}$ ; Immediately Followed By c) For At Least 2 H At $20\pm2^{\circ}$ And $65\pm5^{\circ}$ Relative Humidity

Sample	x-Direction (Horizontal: $\epsilon$ =0°)				
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	513 cd/(lx⋅m²)	Min. 100 cd/(lx·m <sup>2</sup> )	Pass

Γ	Sample		y-Direction (Vertical: $\epsilon$ =90°)			
		Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
	- [	0.20° [12′]	5°	519 cd/(lx⋅m²)	Min. 75 cd/(lx·m <sup>2</sup> )	Pass

/ lydiayang



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### 6 Retroreflection After Washing (ANSI/ISEA 107-2020, 9.2 & 10.4.5.2)

Wash Condition:	
Washing Standard:	ISO 6330:2012
Machine:	Туре А
Reagent:	Reference Detergent 3
Washing Procedure:	6N
Bleaching Procedure:	-
Drying Procedure:	After Each Wash Cycle Dried The Samples At 50 $\pm$ 5 $^{\circ}$ C
Ironing Procedure:	-
Professional Textile Care Procedure:	-
Number Of Cycles:	25

Sample		x-Direction (Horizontal: $\epsilon$ =0°)			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	425 cd/(lx⋅m²)	Min. 100 cd/(lx·m <sup>2</sup> )	Pass

Sample		y-Direction (Vertical: $\epsilon$ =90°)			
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12']	5°	432 cd/(lx⋅m²)	Min. 75 cd/(lx·m <sup>2</sup> )	Pass

7 Retroreflection (Wet Performance) (ANSI/ISEA 107-2020, 9.2 & Appendix B)

Test Exposure	Test Method
Retroreflective Wet Performance	ANSI/ISEA 107-2020, Appendix B

Sample	x-Direction (Horizontal: $\epsilon=0^{\circ}$ )							
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail			
-	0.20° [12']	5°	174 cd/(lx⋅m²)	Min. 100 cd/(lx·m <sup>2</sup> )	Pass			

Sample	y-Direction (Vertical: $\epsilon$ =90°)						
	Observation Angle	Entrance Angle $\beta_1$ ( $\beta_2 = 0^\circ$ )	Coefficient Of Retroreflection	Requirement	Pass / Fail		
-	0.20° [12']	5°	152 cd/(lx·m <sup>2</sup> )	Min. 75 cd/(lx⋅m <sup>2</sup> )	Pass		

/ lydiayang



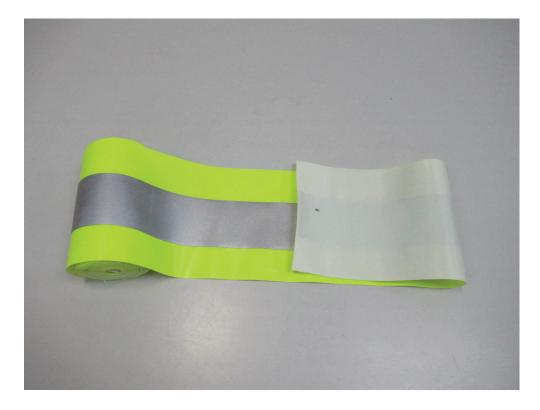
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/ lydiayang



Total Quality. Assured. <u>TEST REPORT</u> Tests Conducted (As Requested By The Applicant)



End Of Report

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