E3. Declaration of Conformity

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

Certificate No. S75222-2020
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 2 Sleeveless T-Shirt, Fluorescent Yellow-Green
Model Number: S75222
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 2, 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):

>.50m² (775 in.²)

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 Knitted Woven Other:
Report #: GZHT91071686	Material Content (such as Polyester, Modacrylic, and others): 100% Polyester
Date: 11/15/2021	Weight: 4.10 oz Color: FI. Yellow-Green
Description: 100% Polyester Birds Eye	

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 P	olyester, Modacrylic, and others):
Date:	Weight: Co	olor:
Description:		

Declaration of Conformity (page 2 of 2)

2. VISIBLE RETROREFLECTIVE MATERIAL

• Amount of visible retroreflective material (smallest size offered) 0.13m² (201 in.²)

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

Material 1 Identification

Test Lab: Intertek				
Report #: GZHT91065196				
Date: 10/18/2021	Style #: CS-4003			
Description: NFR Heat Seal NFR 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
0		

Print Name: Meghan Bowser

_____Date: <u>8/1</u>7/22



Certificate of Test

Issued To: TRC NANJING REPRESENTATIVE OFFICE ROOM 1809,#3 BUILDING, DEYING INT'L PLAZA,#222 CHANGHONG ROAD, YUHUATAI DISTRICT,NANJING 210012 Attn: Our Reference No.: GZHT9107168602 Certificate Issue Date: Nov 15, 2021 Attn: ANNE WANG One (1) piece of submitted sample said to be Hi-Vis Yellow Polyester Birdseye Mesh,140gsm

,#TÝŹ1092203.

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

The test results are given in our report No.: GZHT91071686 Dated: Nov 15, 2021

Note:

- 1 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.
- 2 This Certificate Is Valid Only For The Applicant's Selected Test Items And Must Not Be Used Without The Attached Test Report.
- 3 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.

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箱限公司)广州分公司 Room 02, 1-8/F. & Room 01, E101/E201/E301/E401/E501/E501/E501/E501/E501, No.7-2, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong, China 广州经济技术开发区科学城长频路 7 52 二第1-8 56 02 房、01 房 101、 E201、E301、E401、E501、E603、F201、E801 Tel: +86 208213 9001 Fax: 186 20 82089999 Postcode: 510663



Total Quality. Assured. TEST REPORT



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

Nov 15, 2021 Date:

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 Yellow Polyester Birdseye Mesh,140gsm, #TY21092203. Standard ANSI/ISEA 107-2020 1 Buyer **Tingley Rubber Corporation** Ref. No. Hi-Vis YG Polyester Birdseye Mesh, 140qsm, #TY21092203 1 Goods Exported to U.S.A Date Received/Date Test Started Oct. 19, 2021 Date Final Information Confirmed/ Nov. 12, 2021/--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

MR / lydiayang



Page 1 Of 7

Intertek Testing Services Shenzhen 4 to Guangzhou Branch 深圳天祥质量技术服务有限公司广州分公司 (6

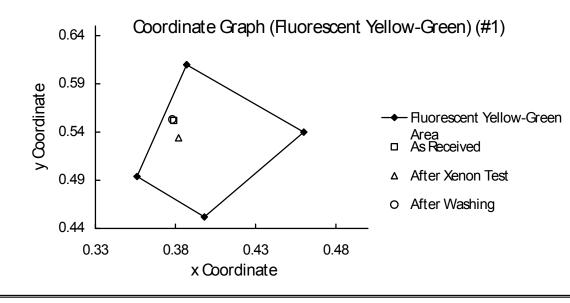




1 Color Performance Of Background And Combined-performance Materials (ANSI/ISEA 107-2020, 8.1.1 (Prior To Exposure Tests) & 8.1.2 (After Xenon Test) & ASTM E1164-17)

Sample	Color	Pre-condition	Chrom	naticity Coo	rdinates	Total Luminance Factor	Requirement	Pass/Fail
			з	X	y y	Y (%)		
	Fluorescent	As	0°	0.3793	0.5515	110	-	-
		Received (#1)	90°	0.3789	0.5522	110	-	-
-	Yellow- Green		Mean	0.379	0.552	110	*	Pass
		After Xenon	0°	0.3820	0.5346	104	-	-
		Test (# & #1)	90°	0.3820	0.5339	104	-	-
		. ,	Mean	0.382	0.534	104	*	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
			ε	X	У	Y (%)		
	Fluorescent	After Washing	0 °	0.3781	0.5530	111	-	-
-	Yellow- Green	(#1 & #2)	90°	0.3786	0.5524	112	-	-
			Mean	0.378	0.553	111	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								



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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/m²@420nm).
- #1= Two Layers Of The Same Material
- #2 = ISO 6330:2012, Wash Condition:

Washing Standard:	ISO 6330:2012
Machine:	Туре А
Reagent:	Reference Detergent 3
Washing Procedure:	4N
Bleaching Procedure:	-
Drying Procedure:	-
Ironing Procedure:	-
Professional Textile Care Procedure:	-
Number Of Cycles:	25

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	<u>Requirement</u>	Pass / Fail
	Dry	Grade 4.5	Min. Grade 3.0	Pass
-	Wet	Grade 4.5	Min. Grade 3.0	Pass

/ lydiayang



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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			Requirement	Pass / Fail	
	Color Change:		Grade 4.5	Min. Grade 4.0	Pass
-			1		
	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		

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

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

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

/ lydiayang

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

Test Condition: Test Method:

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

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

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

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	Requirement	Pass / Fail
	Length	-2.0%	*	Pass
	Width	-0.4%	*	Pass

Remark: * =	Material Type	Knit Fabrics And All Other Materials	
	Length	Not Exceed \pm 7%	
	Width	Not Exceed \pm 5%	

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

/ lydiayang



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

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

Sample	Specimen	Results	<u>Requirement</u>	Pass/Fail
	1	683.5 N	Min. 178 N	Pass
	2	672.5 N	Min. 178 N	Pass
	3	659.0 N	Min. 178 N	Pass
	4	669.0 N	Min. 178 N	Pass
	5	662.0 N	Min. 178 N	Pass
	Average	669.0 N	Min. 178 N	Pass

Remark: N = Newton

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

/ lydiayang







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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/ lydiayang

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Issued To:

Certificate of Test

Our Reference No.: GZHT9106519602

ROOM 1809,#3 BUILDING DEYING INT'L PLAZA, #222 CHANGHONG ROAD. YUHUATAI DISTRICT, NANJING 210012 ANNE WANG

Certificate Issue Date: Oct 18, 2021

Attn: Description: One (1) piece of submitted sample said to be Silver CS-4003 Reflective Tape on Yellow 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.

Retroreflective Performance Prior to Test Exposure Retroreflective Performance Prior to Test Exposure 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.: GZHT91065196 Dated: Oct 18, 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 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

Page 1 Of 1

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch 深圳天祥质量技术服务有限公司广州分公司 ネガリスキーの単式: 木取 第7月7月20日 Room 02, 1-8/F. & Room 01, F101/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策略 7 号 之二第1-18 長 02 房、01 房 101、 E201、E301、E401、E501、E601、E701、E801 Tel: +86 208213 9001 Pax: +86 20 82089999 Postcode: 510663 (6)



Total Quality. Assured. TEST REPORT



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

Date: Oct 18, 2021

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

Attn: ANNE WANG

Sample Description: One (1) piece of submitted	sample s	aid to be Silver CS-4003 Reflective Tape on Yellow fabric.
Standard		ANSI/ISEA 107-2020
Buyer	:	Tingley Rubber Corporation
Ref. No.	:	CS-4003 Reflective Tape, #SF210610CSR
Goods Exported to	:	U.S.A
Date Received/Date Test St	tarted	Sep. 16, 2021
Date Final Information Con	firmed/	/Oct. 15, 2021
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

JO / lydiayang



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Tests Conducted (As Requested By The Applicant)

TEST REPORT



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

Sample	Observation Angle	Entrance Angle β_1 ($\beta_2=0$)	Coeffici Retroref cd/(lx	lection	Requirement	Pass/Fail
	0.20° [12′]	5°	539	534	Min. 330/248 cd/(lx·m ²) (*)	Pass
		20°	552	541	Min. 290/218 cd/(lx·m ²) (*)	Pass
-		30°	473	413	Min. 180/135 cd/(lx·m ²) (*)	Pass
		40°	306	240	Min. 65/47 cd/(lx·m ²) (*)	Pass
	0.33° [20']	5°	356	355	Min. 250/188 cd/(lx·m ²) (*)	Pass
		20°	366	365	Min. 200/150 cd/(lx·m ²) (*)	Pass
		30°	337	314	Min. 170/128 cd/(lx·m ²) (*)	Pass
		40°	250	208	Min. 60/45 cd/(lx·m ²) (*)	Pass
	1.0°	5°	56.3	55.8	Min. 25/18.8 cd/(lx·m ²) (*)	Pass
		20°	59.7	58.7	Min. 15/11.3 cd/(lx·m ²) (*)	Pass
		30°	61.8	51.1	Min. 12/9 cd/(lx·m ²) (*)	Pass
		40°	33.0	31.9	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
	1.5° [1° 30']	5°	25.3	25.2	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
		20°	24.6	24.0	Min. 7/5.25 cd/(lx·m ²) (*)	Pass
		30°	28.6	25.3	Min. 5/3.75 cd/(lx·m ²) (*)	Pass
		40°	28.4	22.6	Min. 4/3 cd/(lx·m ²) (*)	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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Total Quality. Assured. <u>TEST REPORT</u> Tests Conducted (As Requested By The Applicant)

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

l est Exposure	Test Method
Abrasion	ISO 12947-2:2016, Pressure: 9 kPa, 5,000 Cycles

Sample		x-Direction (Horizontal: $\varepsilon = 0^{\circ}$)						
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>			
-	0.20° [12′]	5°	538 cd/(lx⋅m²)	Min. 100 cd/(lx·m ²)	Pass			

Sample	y-Direction (Vertical: $\epsilon=90^{\circ}$)					
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>	
-	0.20° [12′]	5°	540 cd/(lx⋅m²)	Min. 75 cd/(lx·m ²)	Pass	

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

Test Exposure	Test Method
Flexing	ISO 7854:1995, Method A, 7,500 Cycles

Sample		x-Direction (Horizontal: $\epsilon = 0^{\circ}$)						
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>			
-	0.20° [12′]	5°	470 cd/(lx⋅m²)	Min. 100 cd/(lx·m ²)	Pass			

Sample		y-Direction (Vertical: $\varepsilon = 90^{\circ}$)					
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>		
-	0.20° [12′]	5°	466 cd/(lx⋅m²)	Min. 75 cd/(lx·m ²)	Pass		

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)°C For 4 Hours

Sample		x-Direction (Horizontal: $\epsilon = 0^{\circ}$)						
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>			
-	0.20° [12']	5°	494 cd/(lx⋅m²)	Min. 100 cd/(lx·m ²)	Pass			

	Sample	y-Direction (Vertical: $\varepsilon = 90^{\circ}$)					
		Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>	
Ĺ	-	0.20° [12']	5°	504 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass	

/ lydiayang

Intertek Testing Services: Shenzhen Atd. Guangzhou Branch 深圳天祥质量技术服务有限公司广州分公司 Room 02, 1-8/F. & Room 01, E101/E201/E301/E401/E501/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课授频路 7.82 二第十一8년 02 房、01 房 101、 E201、E3011 (1007, E501, E605, 12014 E801 Tel: +86 208213 9001 Fax: 1962.01 82089909 Postcode: 510663 Page 3 Of 6





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

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±2℃; Immediately Followed By b) 20 H At -30±2℃; Immediately Followed By c) For At Least 2 U At 20+2℃ And CE LE % Poleting Humidity
	c) For At Least 2 H At 20±2°C And 65±5 % Relative Humidity

Sample	x-Direction (Horizontal: $\epsilon = 0^{\circ}$)					
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>	
-	0.20° [12′]	5°	527 cd/(lx·m ²)	Min. 100 cd/(lx·m ²)	Pass	

Sample		y-Direction (Vertical: $\varepsilon = 90^{\circ}$)					
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>		
-	0.20° [12′]	5°	525 cd/(lx⋅m²)	Min. 75 cd/(lx·m ²)	Pass		

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

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 The Samples Were Dried At 50±5℃.
Ironing Procedure:	-
Professional Textile Care Procedure:	-
Number Of Cycles:	25

Sample	x-Direction (Horizontal: $\epsilon=0^{\circ}$)				
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	214 cd/(lx·m ²)	Min. 100 cd/(lx·m ²)	Pass

Sample	y-Direction (Vertical: $\varepsilon = 90^{\circ}$)				
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	209 cd/(lx·m ²)	Min. 75 cd/($lx \cdot m^2$)	Pass

/ lydiayang

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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 β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	220 cd/(lx·m ²)	Min. 100 cd/(lx·m ²)	Pass

Sample	y-Direction (Vertical: ε =90°)				
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	221 cd/(lx·m ²)	Min. 75 cd/(lx·m²)	Pass

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End Of Report

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