E3. Declaration of Conformity

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

Certificate No. J73022-2020
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): Phase 2 Jacket, Fluorescent Yellow-Green
Model Number: J73022
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):

<u>>0.50m² (775 in.²)</u>

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: □ Kr 	nitted X Woven 🗆 Other:		
Report #: GZHT91074267	Material Content (su Woven Polyester wit	ich as Polyester, Modacrylic, and others): th Acrylic Coating		
Date: 12/09/2021	Weight: 4.0 oz Color: Fl. Yellow-Green			
Description: Interior sected condi	an 150D wavan Dalvaatan	with exterior DM/D conting		

Description: Interior coated acrylic on 150D woven Polyester with exterior DWR coating

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) 0.13m² (201 in.²)

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

Material 1 Identification

Test Lab: Intertek				
Report #: GZHT91065188				
Date: 10/18/2021	Style #: 1303-4			
Description: 50mm wide sew on 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.: GZHT9107426702

OFFICE

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

Certificate Issue Date: Dec 09, 2021

Attn:

Description: One (1) piece of submitted sample said to be Hi-Vis YG Acrylic on 150D Polyester.

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 Tear Resistance**

The test results are given in our report No.: GZHT91074267 Dated: Dec 09, 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. This Certificate Is Valid Only For The Applicant's Selected Test Items And Must Not Be Used Without 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. 2
- 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确限公司广州分公司 Room 02, 1-8/F. & Room 01 E101/E201/E301/2402/E501/E601/E701/E801, No.7-2, Caipin Road, Guangzhou Science City, GETD9, Guangzhou, Guangdong, China 广州经济技术开发区科学碱授敬路 7 日本二第12-1855 02 房、01 房 101、 E201、E301、E401、E501、E603、E701、E801 Tel: +86 208213 9001 Pax: 196620 82089909 Postcode: 510663 (6)





TEST REPORT Applicant:

Date: Dec 09, 2021

TRC NANJING REPRESENTATIVE OFFICE ROOM 1809,#3 BUILDING, DEYING INT'L PLAZA,#222 CHANGHONG ROAD, YUHUATAI DISTRICT,NANJING 210012

Attn: ANNE WANG

Sample Description:		
One (1) piece of submitte	d sample s	aid to be Hi-Vis YG Acrylic on 150D Polyester.
Standard	:	ANSI/ISEA 107-2020
Buyer	:	Tingley Rubber Corporation
Ref. No.	:	Hi-Vis YG Acrylic on 150D Polyester,#ZY202104033
Goods Exported to	:	U.S.A
Date Received/Date Test	Started	Oct. 28, 2021
Date Final Information Co	nfirmed/	/Dec. 07, 2021
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

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Intertek Testing Services、Shenzheb, Ltd. Guangzhou Branch 深圳天祥质量技大服鳌猫服公司广州分公司 Room 02, 1-8/F. & Room 01; Etyl/E201/E301/E501/E601/E601/E601/E801, No.7-2, Caipin Road, Guangzhou Science City, GETDB, Guangzhou, Guangdong, China 广州经济技术开发区科提供检验路7, 2 (二第二) 经月 02 房, 01 房 101、 E201、E301(14)4、E501、E604, 191 E801 Tel: +86 208213 9001 Pax 196 20 82089999 Postcode: 510663





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 Cool	rdinates	Total Luminance Factor	Requirement	Pass/Fail
			3	Х	у	Y (%)		
-	Fluorescent	As	0°	0.3809	0.5341	102	-	-
	Yellow - Green	Received (#1)	90°	0.3811	0.5344	102	-	-
			Mean	0.381	0.534	102	*	Pass
		After Xenon	0°	0.3740	0.5211	99	-	-
		Test (# & #1)	90°	0.3741	0.5212	98	-	-
			Mean	0.374	0.521	99	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								

Sample	Color	Pre-Condition	Chromaticity Coordinates		Total Luminance Factor	<u>Applicant's</u> <u>Requirement</u>	Pass/Fail	
			ε	х	у	Y (%)		
-	Fluorescent	After Washing	0 °	0.3804	0.5336	101	-	-
	Yellow- Green	(#1 & #2)	90°	0.3807	0.5331	100	-	-
			Mean	0.381	0.533	100	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								

/ lydiayang







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



Remark: * =

Chromaticity	/ Coordinates	Minimum Total Luminance Factor		
Х	У	Y (%)		
0.387	0.610			
0.356	0.494	70		
0.398	0.452	70		
0.460	0.540			
NOTE The Coordinate Of Sample Should Be Inside The Area Specified By The Table Above.				
)	Chromaticity × 0.387 0.356 0.398 0.460 f Sample Should Be	x y 0.387 0.610 0.356 0.494 0.398 0.452 0.460 0.540 f Sample Should Be Inside The Area Specifie		

/ lydiayang





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

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

- # = 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:	4 N
Bleaching Procedure:	-
Drying Procedure:	Line Dry
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>	<u>Pass / Fail</u>
-	Dry	Grade 4.5	Min. Grade 3.0	Pass
	Wet	Grade 4.5	Min. Grade 3.0	Pass



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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) °C
Test Period:	6 h ± 5 min

Sample	Results			<u>Requirement</u>	<u>Pass / Fail</u>
-	Color Change:		Grade 4.5	Min. Grade 4.0	Pass
	Color Stain:	-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		

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			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:

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

Sample	Results			<u>Requirement</u>	<u>Pass / Fail</u>
	Color Change:		Grade 4.5	Min. Grade 4.5	Pass
	Color Stain:	-Acetate	Grade 3.5		
		-Cotton	Grade 4.5		
		-Nylon	Grade 3.5		
		-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	<u>Pass / Fail</u>
	Length	-1.2%	*	Pass
	Width	-0.4%	*	Pass

Remark: * =	Material Type	Woven Fabric
	Length	Not Exceed \pm 4%
	Width	Not Exceed \pm 4%

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

/ lydiayang



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7 Tear Resistance Of Woven Materials (Uncoated, Coated Or Laminate) (ANSI/ISEA 107-2020, 8.4.2 & ASTM D1424-09(2019))

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

Sample	Specimen	Machine Direction	<u>Requirement</u>	Pass/Fail
	1	25.5 N	-	-
	2	26.1 N	-	-
	3	23.7 N	-	-
	4	25.6 N	-	-
	5	25.6 N	-	-
	Average	25.3 N	Min. 13 N	Pass
	Specimen	Cross-Machine Direction	<u>Requirement</u>	Pass/Fail
	1	20.5 N	-	-
	2	20.1 N	-	-
	3	20.6 N	-	-
	4	20.4 N	-	-
	5	20.4 N	-	-
	Average	20.4 N	Min. 13 N	Pass

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

/ lydiayang

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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



Certificate of Test

Issued To: TRC NANJING REPRESENTATIVE Our Reference No.: GZHT9106518802 OFFICE ROOM 1809,#3 BUILDING, Certificate Issue Date: Oct 18, 2021 DEYING INT'L PLAZA,#222 CHANGHONG ROAD, YUHUATAI DISTRICT,NANJING 210012 Attn: ANNE WANG Description: One (1) piece of submitted sample said to be Silver CS 1303-4 Reflective Tape.

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 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.: GZHT91065188 Dated: Oct 18, 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

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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/E801, 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 员之二第1-8 是 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, DEYING INT'L PLAZA,#222 CHANGHONG ROAD, Date: Oct 18, 2021

Attn: ANNE WANG

Sample Description:		
One (1) piece of submittee	d sample s	aid to be Silver CS 1303-4 Reflective Tape.
Standard	:	ANSI/ISEA 107-2020
Buyer	:	Tingley Rubber Corporation
Ref. No.	:	CS 1303-4 Reflective Tape, #SF210610CSR
Goods Exported to	:	U.S.A
Date Received/Date Test S	Started	Sep. 16, 2021
Date Final Information Co	nfirmed/	/Oct. 15, 2021
Date Payment Received:		

YUHUATAI DISTRICT, NANJING 210012

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



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Intertek Testing Services Shenzhen Ltd. Guangzhou Branch 深圳天祥质量技术服务/ 解限公司广州分公司 Room 02, 1-8/F. & Room 01, E101/E201/E301/E401/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智规智频的 7 0 之二第二 8 5 02 房、01 房 101、 E201、E301 / 103、E501、E601、1201、E801 Tel: +86 208213 9001 Fax: 186 20 82089909 Postcode: 510663



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))

		E a tura a sa	C			-
Comunic	Observation	Entrance	Coefficie	ent Or	Deguiyersent	Deee/Eeil
Sample	Anale	Angle β_1	Retrorer		Requirement	Pass/Fall
		(β ₂ =0)	cd/(lx	·m²)		
-	0.20° [12′]	5°	490	488	Min. 330/248 cd/(lx·m ²) (*)	Pass
		20°	490	485	Min. 290/218 cd/(lx·m ²) (*)	Pass
		30°	483	475	Min. 180/135 cd/(lx·m ²) (*)	Pass
		40°	425	407	Min. 65/47 cd/(lx·m ²) (*)	Pass
	0.33° [20′]	5°	362	360	Min. 250/188 cd/(lx·m ²) (*)	Pass
		20°	366	363	Min. 200/150 cd/(lx·m ²) (*)	Pass
		30°	359	354	Min. 170/128 cd/(lx·m ²) (*)	Pass
		40°	326	312	Min. 60/45 cd/(lx·m ²) (*)	Pass
	1.0°	5°	34.1	34.1	Min. 25/18.8 cd/(lx·m ²) (*)	Pass
		20°	33.3	33.2	Min. 15/11.3 cd/(lx·m ²) (*)	Pass
		30°	33.6	32.6	Min. 12/9 cd/(lx·m ²) (*)	Pass
		40°	34.2	31.0	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
	1.5° [1° 30′]	5°	25.4	24.9	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
		20°	24.2	23.8	Min. 7/5.25 cd/(lx·m ²) (*)	Pass
		30°	22.9	22.8	Min. 5/3.75 cd/(lx·m ²) (*)	Pass
		40°	21.0	19.9	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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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, 5,000 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°	482 cd/(lx⋅m²)	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°	481 cd/(lx·m ²)	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°	424 cd/(lx⋅m²)	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°	418 cd/(lx⋅m ²)	Min. 75 cd/(lx·m ²)	Pass

/ lydiayang

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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°	461 cd/(lx⋅m²)	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°	457 cd/(lx⋅m²)	Min. 75 cd/($Ix \cdot m^2$)	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±2℃; Immediately Followed By b) 20 H At -30±2℃; Immediately Followed By c) For At Least 2 H At 20±2℃ And 65±5 % Relative Humidity

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°	455 cd/(lx⋅m²)	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	Requirement	<u>Pass / Fail</u>
_	0.20° [12′]	5°	452 cd/(lx⋅m²)	Min. 75 cd/($lx \cdot m^2$)	Pass

/ lydiayang



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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>	Pass / Fail
-	0.20° [12′]	5°	154 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	Requirement	<u>Pass / Fail</u>
_	0.20° [12′]	5°	125 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	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 β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	290 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°	276 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass

/ lydiayang

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End Of Report

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