E3. Declaration of Conformity

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

Certificate No. V70339-2020									
Supplier name and address: Tingley Rub	ober Corporation								
1551 S. Wa	ashington Ave., Suite 403								
	y, NJ 08854								
•	er, part number or other information as applicable):								
Class 3 Mesh, Two Tone Zipper Closure	Vest, Fluorescent Orange-Red								
Model Number: V70339									
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	<u>L:</u>								
 Amount of visible background mate 	rial (smallest size offered): <u>>0.80m² (1240 in.²)</u>								
Diagon list each material that contributes t	owards the amount VISIRI E RACKCROUND MATERIAL listed shows								
Please list each material that contributes । Use separate sheet for addition materials.	owards the amount VISIBLE BACKGROUND MATERIAL listed above.								
oco coparato encer los adamen matemate.									
Material 1 Identification	MILLIA VIV. II DW DOI								
Test Lab: Intertek	Material Type: X Knitted □ Woven □ Other:								
Report #: GZHT91065370	Material Content (such as Polyester, Modacrylic, and others): 100% Polyester								
Date: 10/18/2021	Weight: 3.05 oz Color: Fl. Orange-Red								
Description: 100% Polyester Mesh									
Material 2 Identification									
Test Lab: Intertek	Material Type: X Knitted □ Woven □ Other:								
Report #: GZHT91065447	Material Content (such as Polyester, Modacrylic, and others): 100% Polyester								
Date: 10/18/2021	Weight: 3.05 oz Color: Fl. Yellow-Green								
Description: 100% Polyester Solid									
Material 3 Identification	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 MATE	:RIAL
• /	Amount of visible retroreflective material	(smallest size offered) >0.20m² (310 in.²)
ΡI	ease list each type of material that contr	ibutes towards VISIBLE RETROREFLECTIVE MATERIAL listed above.
M	aterial 1 Identification	
	Test Lab: Intertek	
	Report #: GZHT91065162	
	Date: 10/18/2021	Style #: 1303-2
	Description: 50mm wide sew on silver r	eflective trim
М	aterial 2 Identification	
-	Test Lab:	
	Report #:	
	Date:	Style #:
	Description:	
*L	Ise separate sheet for additional materia	Is
3.	OVERALL LUMINANCE	
	Check here if test report for options	al Overall Luminance testing is attached.
Tł	ne undersigned hereby warrants that he/	she is authorized to legally bind the company identified above.
Si	gned: Mghan BOWS	Title: Product Manager
Pı	rint Name: Meghan Bowser	Date: 8/17/22



Certificate of Test

Issued To: TRC NANJING REPRESENTATIVE Our Reference No.: GZHT9106537002

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

One (1) piece of submitted sample said to be Hi-Vis Orange Polyester Mesh, 110gsm. Description:

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.: GZHT91065370 Dated: Oct 18, 2021

Note:

- This Declaration Applies To The Particular Sample Tested And To The Specific Tests Carried Out As 1 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.
- 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

(6)





Date:

Number: GZHT91065370

Oct 18, 2021

中国认可 国际互认 检测

TESTING **CNAS L0220**

Applicant: 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 submitted sample said to be Hi-Vis Orange Polyester Mesh, 110gsm.

Standard ANSI/ISEA 107-2020

Buyer **Tingley Rubber Corporation**

Ref. No. Hi-Vis OR Polyester Mesh, 110gsm, #SF210815M

Goods Exported to U.S.A

Date Received/Date Test Started Sep. 17, 2021 Date Final Information Confirmed/ --/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 qzfootwear@intertek.com

Authorized By:

For Intertek Testing Services Shenzhen Ltd.

Guangzhou Branch

Guiliang Dong Senior Lab Manager

Page 1 Of 7

BF / lydiayang



TEST REPORT





Number:

GZHT91065370

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)

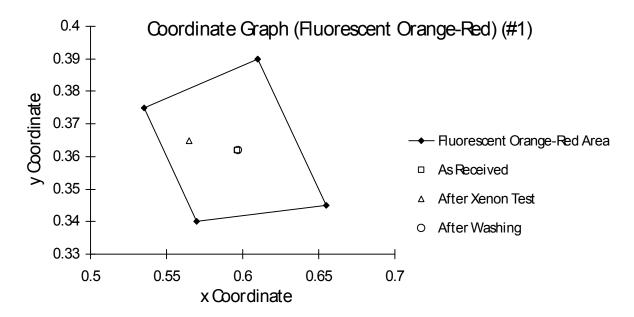
Sample	Color	Pre-condition	Chromaticity Coordinates		Total Luminance Factor	Requirement	Pass/Fail	
			3	Х	у	Y (%)		
	Fluorescent	As	0°	0.5958	0.3614	40	-	-
_	Orange - Red	Received (#1)	90°	0.5956	0.3621	41	-	-
			Mean	0.596	0.362	41	*	Pass
		After Xenon	0°	0.5654	0.3648	44	-	-
		Test (# & #1)	90°	0.5643	0.3645	43	-	-
			Mean	0.565	0.365	43	*	Pass
Note:	The Specimen	Is Backed By A B	ack Unde	rlay With A	Reflectance	Of Less Than	0.04.	
Sample	Color	Pre-Condition	Chrom	naticity Coo	rdinates	Total Luminance Factor	Applicant's Requirement	Pass/Fail
			3	Х	у	Y (%)		
	Fluorescent	After Washing	0°	0.5968	0.3620	44	-	-
-	Orange - Red	(#1 & #2)	90°	0.5963	0.3617	44	-	-
			Mean	0.597	0.362	44	*	Pass
Note:	The Specimen	Is Backed By A B	lack Unde	rlay With A	Reflectance	of Less Than	0.04.	





Tests Conducted (As Requested By The Applicant)

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



Remark: * =

Color	Chromaticity	Coordinates	Minimum Total Luminance Factor			
	Х	У	Y (%)			
Fluorescent Orange-Red	0.610 0.535 0.570 0.655	0.390 0.375 0.340 0.345	40			
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 $KJ/m^2@420nm$). # =
- Two Layers Of The Same Material ISO 6330:2012, Wash Condition: #1=
- #2 =

Washing Standard:	ISO 6330:2012
Machine:	Type A
Reagent:	Reference Detergent 3
Washing Procedure:	4N
Bleaching Procedure:	Do Not Bleach
Drying Procedure:	Do Not Tumble Dry
Ironing Procedure:	Do Not Iron
Professional Textile Care Procedure:	Do Not Dry Clean
Number Of Cycles:	25

/ lydiayang

Page 3 Of 7

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 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学规范频路 7 号之二第1—8 层 02 房、01 房 101、E201、E301、A401、E501、E605、1201、E801

Tel: +86 208213 9001 Fax: +86 20 82089909 Postcode: 510663





Tests Conducted (As Requested By The Applicant)

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

Preconditioning:

Temperature: (20±2)°C Relative Humidity: $(65\pm5)\%$ Period: 24 Hours

Sample	Test Condition	Results	Requirement	Pass / Fail
	Dry	Grade 4.5	Min. Grade 3.0	Pass
-	Wet	Grade 4.0	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 (38 ± 1) ℃ Oven temperature: Test Period: $6 h \pm 5 min$

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





Tests Conducted (As Requested By The Applicant)

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

Test Condition:

Pressure: 4.5 kg (38 ± 1) ℃ Oven Temperature: Test Period: 18 h

Sample			Results	<u>Requirement</u>	Pass / Fail
	Color Change:		lor Change: Grade 4.5		Pass
	Staining	-Acetate	Grade 4.0		
-		-Cotton	Grade 4.5		
		-Nylon	Grade 4.0		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 4.0		

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

Test Condition:

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

Sample			Results	<u>Requirement</u>	Pass / Fail
	Color Change:	olor Change: Grade 4.5		Min. Grade 4.5	Pass
	Color Stain:	-Acetate	Grade 3.5		
		-Cotton	Grade 4.0		
		-Nylon	Grade 3.0		
		-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. This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

/ lydiayang





TEST REPORT Tests Conducted (As Requested By The Applicant)

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

Test Condition:

Standard Code: AATCC 135-2012 (3)(III)(A)(iii)

Cleaning Cycles:

Sample		Results	Requirement	Pass / Fail
	Length	-2.0%	*	Pass
	Width	-2.4%	*	Pass

Remark: * = Knit Fabrics And All Other Materials Material Type 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. This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

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)°C $(65 \pm 5)\%$ Relative Humidity: Period: 24 Hours

Sample	Specimen	Results	<u>Requirement</u>	Pass/Fail
	1	428.5 N	Min. 178 N	Pass
	2	442.5 N	Min. 178 N	Pass
	3	441.5 N	Min. 178 N	Pass
	4	466.5 N	Min. 178 N	Pass
	5	424.0 N	Min. 178 N	Pass
	Average	440.5 N	Min. 178 N	Pass

Remark: This Test Was Conducted At Room 801/901, No. 8, East BaoYing Road, Huangpu District, Guangzhou. This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

/ 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.



Certificate of Test
TRC NANJING REPRESENTATIVE
OFFICE Issued To: Our Reference No.: GZHT9106544702

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 Hi-Vis Yellow Polyester Knit, Solid, 120gsm.

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.: GZHT91065447 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

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 Conformality Declaration Released By Manufacturer.

Authorized By:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

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 Room 02, 1-8/F. & Room 01, F101/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城跨域路 7 5 2 二第1—8 5 02 房、01 房 101、E201、E301、E401、E501、E601、E701、E801
Tel: +86 208213 9001 Fax: +86 20 82089989 Postcode: 510663

(6)





Date:

Number: GZHT91065447

Oct 18, 2021

中国认可 国际互认

检测 TESTING **CNAS L0220**

Applicant: TRC NANJING REPRESENTATIVE OFFICE

ROOM 1809, #3 BUILDING,

DEYING INT'L PLAZA, #222 CHANGHONG ROAD,

YUHUATAI DISTRICT, NANJING 210012

ANNE WANG Attn:

Sample Description:

One (1) piece of submitted sample said to be Hi-Vis Yellow Polyester Knit, Solid, 120gsm.

Standard ANSI/ISEA 107-2020

Tingley Rubber Corporation Buyer

Ref. No. Hi-Vis YG Polyester Knit, Solid, 120gsm, #SF210820S

Goods Exported to U.S.A

Date Received/Date Test Started Sep. 17, 2021 --/Oct. 15, 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 qzfootwear@intertek.com

Authorized By:

For Intertek Testing Services Shenzhen Ltd.

Guangzhou Branch

Guiliang Dong Senior Lab Manager

Page 1 Of 7

JO / lydiayang



TEST REPORT





Number:

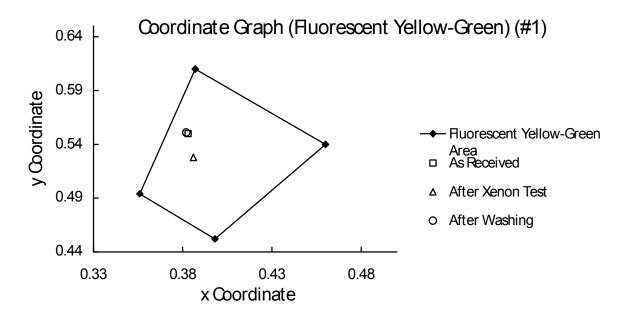
GZHT91065447

Tests Conducted (As Requested By The Applicant)

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	Chromaticity Coordinates		Total Luminance Factor	Requirement	Pass/Fail	
			ε	X	У	Y (%)		
	Fluorescent	As	0°	0.3829	0.5504	101	-	-
-	Yellow	Received (#1)	90°	0.3832	0.5498	101	-	-
	-Green		Mean	0.383	0.550	101	*	Pass
		After Xenon	0°	0.3859	0.5280	92	-	-
		Test (# & #1)	90°	0.3858	0.5273	93	-	-
			Mean	0.386	0.528	92	*	Pass
Note:	The Specimen	Is Backed By A B	lack Unde	rlay With A	Reflectance	Of Less Than	0.04.	

Sample	Color	Pre-Condition	Chromaticity Coordinates		Total Luminance Factor	Applicant's Requirement	Pass/Fail	
			ε	X	У	Y (%)	•	
-	Fluorescent	After Washing	0°	0.3819	0.5510	105	-	-
	Yellow	(#1 & #2)	90°	0.3816	0.5515	105	-	-
	-Green	,	Mean	0.382	0.551	105	*	Pass
Note:	Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.							



/ lydiayang

Page 2 Of 7

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, F101/E201/E301/E401/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规》授项路 7 号之二第1—8 层 02 房、01 房 101、E201、E301、A401、E501、E605、产01、E801

Tel: +86 208213 9001 Fax: +86 20 82089989 Postcode: 510663





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	

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

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





Tests Conducted (As Requested By The Applicant)

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

Preconditioning:

Temperature: (20±2)°C Relative Humidity: $(65\pm5)\%$ Period: 24 Hours

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

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

Test Condition:

Load: 4.54 kg (38 ± 1) °C Oven temperature: $6 h \pm 5 min$ Test Period:

Sample			Requirement	Pass / Fail	
-	Color Change:		Change: Grade 4.5		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		





TEST REPORT Tests Conducted (As Requested By The Applicant)

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

Test Condition:

Pressure: 4.5 kg (38 ± 1) ℃ Oven Temperature: Test Period: 18 h

Sample			Requirement	Pass / Fail	
-	Color Change:		Grade 4.5	Min. Grade 3.0	Pass
	Staining	-Acetate	Grade 4.0		
		-Cotton	Grade 4.5		
		-Nylon	Grade 4.0		
		-Polyester	Grade4.5	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 Condition:

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

Sample			<u>Requirement</u>	Pass / Fail	
	Color Change:		Grade 4.5	Min. Grade 4.5	Pass
	Color Stain:	-Acetate	Grade 3.0		
		-Cotton	Grade 3.5		
		-Nylon	Grade 3.0		
		-Polyester	Grade 3.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 3.5		

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

This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

/ lydiayang

Page 5 Of 7





Tests Conducted (As Requested By The Applicant)

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

Test Condition:

Standard Code: AATCC 135-2012 (3)(III)(A)(iii)

Cleaning Cycles:

Sample		Results	Requirement	Pass / Fail
	Length	-1.6%	*	Pass
	Width	-0.8%	*	Pass

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

This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

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

Preconditionina:

Temperature: (20±2)°C Relative Humidity: $(65 \pm 5)\%$ Period: 24 Hours

Sample	Specimen	Results	Requirement	Pass/Fail
	1	752.5 N	Min. 178 N	Pass
	2	732.5 N	Min. 178 N	Pass
	3	608.0 N	Min. 178 N	Pass
	4	672.5 N	Min. 178 N	Pass
	5	701.5 N	Min. 178 N	Pass
	Average	693.5 N	Min. 178 N	Pass

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

This Test In The Report Is Not Included In The CNAS Accreditation Schedule For Our Laboratory.

/ lydiayang

Page 6 Of 7







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.

/ lydiayang

Page 7 Of 7



Certificate of Test

Issued To: TRC NANJING REPRESENTATIVE Our Reference No.: GZHT9106516202

OFFICE

ROOM 1809.#3 BUILDING Certificate Issue Date: Oct 18, 2021

DEYING INT'L PLAZA, #222 CHANGHONG

ROAD.

YUHUATAI DISTRICT, NANJING 210012

ANNE WANG Attn:

Description: One (1) piece of submitted sample said to be Silver CS 1303-2 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 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.: GZHT91065162 Dated: Oct 18 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

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.

Authorized By:

For Intertek Testing Services Shenzhen Ltd.

Guangzhou Branch

Guiliana Dona Senior Lab Manager





Date:

Number: GZHT91065162

Oct 18, 2021

Applicant: 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 submitted sample said to be Silver CS 1303-2 Reflective Tape.

Standard ANSI/ISEA 107-2020

Buyer **Tingley Rubber Corporation**

Ref. No. CS 1303-2 Reflective Tape, #SF210610CSR

Goods Exported to U.S.A.

Date Received/Date Test Started Sep. 16, 2021 Date Final Information Confirmed/ --/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 qzfootwear@intertek.com

Authorized By:

For Intertek Testing Services Shenzhen Ltd.

Guangzhou Branch

Guiliang Dong Senior Lab Manager

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JO / lydiayang





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 (β_2 =0)	Coeffici Retroref cd/(lx	Tection	<u>Requirement</u>	Pass/Fail
-	0.20° [12′]	5°	392	392	Min. 330/248 cd/($lx \cdot m^2$) (*)	Pass
		20°	394	390	Min. 290/218 cd/(lx·m²) (*)	Pass
		30°	395	377	Min. 180/135 cd/(lx·m²) (*)	Pass
		40°	357	340	Min. 65/47 cd/(lx·m²) (*)	Pass
	0.33° [20′]	5°	269	269	Min. 250/188 cd/(lx·m²) (*)	Pass
		20°	276	272	Min. 200/150 cd/(lx·m²) (*)	Pass
		30°	277	263	Min. 170/128 cd/(lx·m²) (*)	Pass
		40°	254	247	Min. 60/45 cd/(lx·m²) (*)	Pass
	1.0°	5°	44.2	43.6	Min. 25/18.8 cd/($lx \cdot m^2$) (*)	Pass
		20°	42.7	41.6	Min. 15/11.3 cd/($lx \cdot m^2$) (*)	Pass
		30°	40.4	38.8	Min. 12/9 cd/($lx \cdot m^2$) (*)	Pass
		40°	35.6	33.0	Min. 10/7.5 cd/(lx·m²) (*)	Pass
	1.5° [1° 30′]	5°	19.3	19.3	Min. 10/7.5 cd/(lx·m²) (*)	Pass
		20°	18.7	18.5	Min. 7/5.25 cd/(lx·m²) (*)	Pass
		30°	18.1	17.4	Min. 5/3.75 cd/(lx·m²) (*)	Pass
		40°	15.6	15.5	Min. 4/3 cd/(lx·m²) (*)	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.





TEST REPORT

Tests Conducted (As Requested By The Applicant)

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: $\varepsilon = 0^{\circ}$)							
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	Requirement	Pass / Fail				
-	0.20° [12′]	5°	394 cd/(lx·m ²)	Min. 100 cd/($lx \cdot m^2$)	Pass				

Sample		1	y-Direction (Vertical: ε=90°)	
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	Requirement	Pass / Fail
-	0.20° [12′]	5°	388 cd/(lx·m²)	Min. 75 cd/(lx·m²)	Pass

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

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

Sample		x-Direction (Horizontal: ε =0 $^{\circ}$)					
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail		
-	0.20° [12′]	5°	377 cd/(lx·m²)	Min. 100 cd/(lx·m²)	Pass		

Sample		·	y-Direction (Vertical: ε=90°)	
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
-	0.20° [12′]	5°	370 cd/(lx·m²)	Min. 75 cd/(lx·m²)	Pass

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 $(-20\pm1)^{\circ}$ C For 4 Hours		

Sample		x-Direction (Horizontal: ε=0°)					
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	Requirement	Pass / Fail		
-	0.20° [12′]	5°	380 cd/(lx·m²)	Min. 100 cd/(lx·m²)	Pass		

Sample		Y	y-Direction (Vertical: ε =90°)	
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
- -	0.20° [12′]	5°	380 cd/(lx·m²)	Min. 75 cd/(lx⋅m²)	Pass

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

Test Exposure	Test Method	
	a) For 12 H At 50±2℃; Immediately Followed By	
Temperature Variation	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: ϵ =0 $^{\circ}$)				
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
-	0.20° [12′]	5°	386 cd/(lx·m²)	Min. 100 cd/(lx·m ²)	Pass

Sample	y-Direction (Vertical: ϵ =90 $^{\circ}$)					
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail	
_	0.20° [12′]	5°	386 cd/(lx·m ²)	Min. 75 cd/(lx·m²)	Pass	

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

Wash Condition:	
Washing Standard:	ISO 6330:2012
Machine:	Type A
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: ε =0 $^{\circ}$)					
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail		
-	0.20° [12′]	5°	194 cd/(lx·m²)	Min. 100 cd/(lx·m ²)	Pass		

Sample	y-Direction (Vertical: ϵ =90 $^{\circ}$)				
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
-	0.20° [12′]	5°	193 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass

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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	

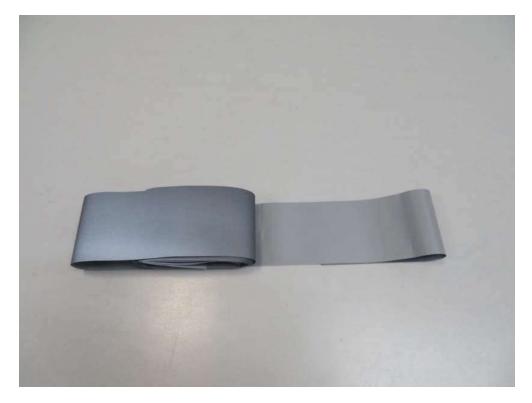
Sample	x-Direction (Horizontal: ϵ =0 $^{\circ}$)				
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
-	0.20° [12′]	5°	212 cd/(lx·m ²)	Min. 100 cd/(lx·m ²)	Pass

Sample	y-Direction (Vertical: ε=90°)				
	Observation Angle	Entrance Angle β_1 $(\beta_2 = 0^\circ)$	Coefficient Of Retroreflection	<u>Requirement</u>	Pass / Fail
-	0.20° [12′]	5°	160 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass

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End Of Report

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