E3. Declaration of Conformity

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

Certificate No. S78122C-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): X – Back Hoodie, Fluorescent Yellow-Green and Orange-Red
Model Number: S78122C
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):

<u>>0.80m² (1240 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: X Knitted Woven Other:
Report #: GZHT91071732	Material Content (such as Polyester, Modacrylic, and others): 100% Polyester
Date: 11/15/2021	Weight: 8.25 oz Color: FI. Yellow-Green
	-

Description: 100% Polyester Knit Fleece

Material 2 Identification

Test Lab: Intertek	Material Type: X Knitted Woven Other:
Report #: GZHT91071781	Material Content (such as Polyester, Modacrylic, and others): 100% Polyester
Date: 11/15/2021	Weight: 8.25 oz Color: Fl. Orange-Red
Description: 100% Polyester Knit Flee	ce

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) 0.20m² (310 in.²)

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

Material 1 Identification

Test Lab: Intertek			
Report #: GZHT91069017			
Date: 11/11/2021	Style #: VB211A		
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	Dreduct Manager
Signed: VVV	Title: Product Manager
·	

Print Name: Meghan Bowser

_____Date: 8/17/22



Certificate of Test

Issued To:	TRC NANJING REPRESENTATIVE OFFICE	Our Reference No.: GZHT9107173202
	ROOM 1809,#3 BUILDING, DEYING INT'L PLAZA,#222 CHANGHONG ROAD, YUHUATAI DISTRICT,NANJING 210012	Certificate Issue Date: Nov 15, 2021
Attn: Description:	ANNE WANG One (1) piece of submitted sample said to be 280gsm,#TY21092203.	e Hi-Vis Yellow Polyester Fleece,

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.: GZHT91071732 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/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特领路 7 月 2 二第 1 8 5 02 房、01 房 101、 E201、E301、E401、E501、E603、(F701、E801 Tel: +86 208213 9001 Fax: +86 20 82089909 Postcode: 510663



Total Quality. Assured. TEST REPORT



Date: Nov 15, 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 Hi-Vis Yellow Polyester Fleece, 280gsm,#TY21092203. Standard ANSI/ISEA 107-2020 1 Buyer **Tingley Rubber Corporation** Ref. No. Hi-Vis YG Polyester Fleece, 280qsm,#TY21092203 : Goods Exported to U.S.A Date Received/Date Test Started Oct. 19, 2021 Nov. 12, 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 gzfootwear@intertek.com

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

Guiliang Dong Senior Lab Manager

MI / 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

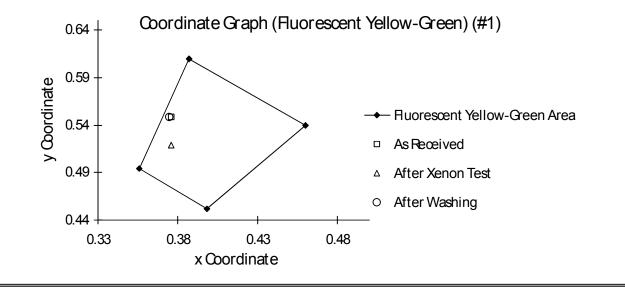




1 Color Performance Of Background And Combined-performance Materials (ANSI/ISEA 107-2020, 8.1.1 (Prior To Exposure Tests) & 8.1.2 (After Xenon Test) & ASTM E1164-17)

Sample	Color	Pre-condition	Chromaticity Coordinates		Total Luminance Factor	Requirement	Pass/Fail	
			З	х	У	Y (%)		
-	Fluorescent	As	0 °	0.3763	0.5479	107	-	-
	Yellow- Green	Received (#1)	90°	0.3761	0.5481	107	-	-
			Mean	0.376	0.548	107	*	Pass
		After Xenon	0 °	0.3758	0.5189	99	-	-
		Test (# & #1)	90°	0.3758	0.5195	99	-	-
			Mean	0.376	0.519	99	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								

Sample	Color	Pre-Condition	Chron	naticity Coo	rdinates	Total Luminance Factor	<u>Applicant's</u> <u>Requirement</u>	Pass/Fail
			З	Х	У	Y (%)		
-	Fluorescent	After Washing	0°	0.3746	0.5483	107	-	-
	Yellow- Green	(#1 & #2)	90°	0.3748	0.5480	106	-	-
			Mean	0.375	0.548	106	*	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 深圳天祥质量技术服务, 新限公司)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规范频路 7.9.2 二第1-16.5 0.2 房、01 房 101、 E201、E301、1407、E501、E605、1501 E801 Tel: +86 208213 9001 Fax: #86.20 82089909 Postcode: 510663 Page 2 Of 7





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)(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= 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:	-
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>	Pass / Fail
-	Dry	Grade 4.0	Min. Grade 3.0	Pass
	Wet	Grade 3.5	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			Results	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 4.0		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 4.0		

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

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

Sample		Res	ults	Requirement	Pass / Fail
-	Color Change:		Grade 4.5	Min. Grade 3.0	Pass
	Staining	-Acetate	Grade 4.5		
		-Cotton	Grade 4.5		
		-Nylon	Grade 3.5		
		-Polyester	Grade 4.5	Min. Grade 3.0	Pass
		-Acrylic	Grade 4.5		
		-Wool	Grade 3.5		

/ lydiayang



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

Test Condition: Test Method:

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

Sample			Results	<u>Requirement</u>	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 3.5		

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	-0.8%	±7%	Pass
	Width	-0.4%	\pm 5%	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	680.5 N	Min. 178 N	Pass
	2	630.0 N	Min. 178 N	Pass
	3	669.0 N	Min. 178 N	Pass
	4	674.0 N	Min. 178 N	Pass
	5	636.5 N	Min. 178 N	Pass
	Average	658.0 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

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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.

/ lydiayang

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch 深圳天祥质量技术服务/律限公司)¹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服装频路 7.9.2 二第1-8.5.02 房、01 房 101、 E201、E301、1407、E501、E605、1501 € E801 Tel: +86 208213 9001 Fax: #86.20 82089909 Postcode: 510663 Page 7 Of 7



Certificate of Test

Issued To: **TRC NANJING REPRESENTATIVE** Our Reference No.: GZHT9107178102 OFFICE ROOM 1809,#3 BUILDING Certificate Issue Date: Nov 15, 2021 DEYING INT'L PLAZA,#222 CHANGHONG ROAD YUHUÁTAI DISTRICT, NANJING 210012 Attn: ANNE WANG One (1) piece of submitted sample said to be Hi-Vis Orange Polyester Fleece, 280gsm, Description: #TY21092203.

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.: GZHT91071781 Dated: Nov 1 Dated: Nov 15, 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.

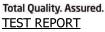
Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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)







Nov 15, 2021

Date:

Applicant: TRC I ROOM

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 Fleece, 280gsm, #TY21092203 . Standard ANSI/ISEA 107-2020 5 Buyer **Tingley Rubber Corporation** Ref. No. Hi-Vis OR Polyester Fleece, 280gsm, #TY21092203 2 Goods Exported to U.S.A Date Received/Date Test Started Oct. 19, 2021 Nov. 12, 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

Intertek Testing Services Shenzhen Lto. 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智斯特频和 7 号之二第1—8月 02 房、01 房 101、 E201、E301、L401、E501、E601、F011、E801 Tel: +86 208213 9001 Pax: 186 20 82089909 Postcode: 510663



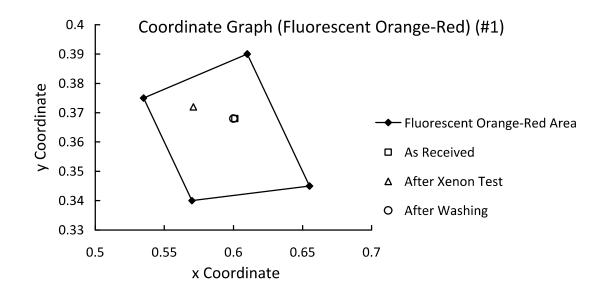


TEST REPORT Tests Conducted (As Requested By The Applicant)

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	Chromaticity Coordinates		Total Luminance Factor	Requirement	Pass/Fail	
			З	Х	У	Y (%)		
-	Fluorescent	As	0°	0.6009	0.3681	49	-	-
	Orange- Red	Received (#1)	90°	0.6013	0.3680	49	-	-
			Mean	0.601	0.368	49	*	Pass
		After Xenon	0°	0.5714	0.3715	52	-	-
		Test (# & #1)	90°	0.5704	0.3714	52	-	-
			Mean	0.571	0.372	52	*	Pass
Note:	The Specimen	Is Backed By A B	ack Unde	rlay With A	Reflectance	e Of Less Than	0.04.	

Sample	Color	Pre-Condition	Chrom	naticity Cool	rdinates	Total Luminance Factor	<u>Applicant's</u> <u>Requirement</u>	Pass/Fail
			ε	Х	y	Y (%)		
-	Fluorescent	After Washing	0 °	0.6002	0.3682	49	-	-
	Orange - Red	(#1 & #2)	90°	0.5999	0.3684	50	-	-
			Mean	0.600	0.368	49	*	Pass
Note: The Specimen Is Backed By A Black Underlay With A Reflectance Of Less Than 0.04.								



Intertek Testing Services Shenzhen / to. 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师诊频路 7 号之二第十 6 是 02 房、01 房 101、 E201、E301、401、E501、E605、2014 E801 Tel: +86 208213 9001 Fax: #86 20 82089909 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 (%)
	0.610	0.390	
Fluorescent	0.535	0.375	40
Orange-Red	0.570	0.340	40
	0.655	0.345	

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= 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:	-
Drying Procedure:	-
Ironing Procedure:	-
Professional Textile Care Procedure:	-
Number Of Cycles:	25

/ lydiayang



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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

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			<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		

/ lydiayang

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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 kg
Oven Temperature:	(38 ± 1) °C
Test Period:	18 h

Sample			Results	Requirement	<u>Pass / Fail</u>
-	Color Change:	:	Grade 4.5	Min. Grade 3.0	Pass
			1	1	
	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		

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

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 3.0		
		-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.

/ lydiayang



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Test Condition: Test Method:





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	<u>Requirement</u>	<u>Pass / Fail</u>
	Length	-1.6%	±7%	Pass
	Width	-0.8%	±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±2)℃
Relative Humidity:	(65±5)%
Period:	24 Hours

Sample	Specimen	Results	<u>Requirement</u>	Pass/Fail
	1	717 . 5 N	Min. 178 N	Pass
	2	739 . 5 N	Min. 178 N	Pass
	3	731.0 N	Min. 178 N	Pass
	4	758.5 N	Min. 178 N	Pass
	5	723 . 5 N	Min. 178 N	Pass
	Average	734.0 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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End Of Report

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Certificate of Test

Issued To: TRC NANJING REPRESENTATIVE OFFICE Our Reference No.: GZHT9106901702 ROOM 1809,#3 BUILDING, Certificate Issue Date: Nov 11, 2021 DEYING INT'L PLAZA,#222 CHANGHONG ROAD, YUHUATAI DISTRICT,NANJING 210012 YUHUATAI DISTRICT,NANJING 210012 Attn: ANNE WANG Description: One (1) piece of submitted sample said to be Silver VB211A WP 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.: GZHT91069017 Dated: Nov 11, 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.

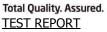
Authorized By: For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Guiliang Dong Senior Lab Manager

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TATIVE OFFICE Date:

Nov 11, 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 s	aid to be Silver VB211A WP Reflective Tape.
Standard	:	ANSI/ISEA 107-2020
Buyer	:	Tingley Rubber Corporation
Ref.	:	VB211A WP Reflective Tape, #20210820-3
Goods Exported to	:	U.S.A.
Date Received/Date Test S	tarted	Oct. 09, 2021
Date Final Information Cor	nfirmed/	Nov. 11, 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

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TEST REPORT 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 β_1 ($\beta_2=0$)	Coeffici Retroref cd/(lx	lection	Requirement	Pass/Fail
-	0.20° [12′]	5°	504	500	Min. 330/248 cd/(lx·m ²) (*)	Pass
		20°	475	468	Min. 290/218 cd/(lx·m ²) (*)	Pass
		30°	398	391	Min. 180/135 cd/(lx·m ²) (*)	Pass
		40°	232	216	Min. 65/47 cd/(lx·m ²) (*)	Pass
	0.33°[20′]	5°	288	286	Min. 250/188 cd/(lx·m ²) (*)	Pass
		20°	274	267	Min. 200/150 cd/(lx·m ²) (*)	Pass
		30°	246	241	Min. 170/128 cd/(lx·m ²) (*)	Pass
		40°	171	168	Min. 60/45 cd/(lx·m ²) (*)	Pass
	1.0°	5°	82.5	80.7	Min. 25/18.8 cd/(lx·m ²) (*)	Pass
		20°	83.9	83.6	Min. 15/11.3 cd/(lx·m ²) (*)	Pass
		30°	79.9	79.5	Min. 12/9 cd/(lx·m ²) (*)	Pass
		40°	49.7	45.2	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
	1.5° [1° 30']	5°	19.8	18.5	Min. 10/7.5 cd/(lx·m ²) (*)	Pass
		20°	21.5	21.0	Min. 7/5.25 cd/(lx·m ²) (*)	Pass
		30°	24.7	24.4	Min. 5/3.75 cd/(lx·m ²) (*)	Pass
		40°	22.7	22.4	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.



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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°	471 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°	470 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°	474 cd/(lx⋅m²)	Min. 100 cd/(lx·m ²)	Pass		

Sample	e	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°	474 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass		

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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 °	500 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°	496 cd/(lx⋅m²)	Min. 75 cd/(lx·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 $^\circ\!\!\mathbb{C}$ 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°	503 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°	499 cd/(lx⋅m²)	Min. 75 cd/(lx·m²)	Pass

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

Sample	x-Direction (Horizontal: ϵ =0°)				
	Observation Angle	Entrance Angle β_1 ($\beta_2 = 0^\circ$)	Coefficient Of Retroreflection	<u>Requirement</u>	<u>Pass / Fail</u>
-	0.20° [12′]	5°	278 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°	270 cd/(lx⋅m²)	Min. 75 cd/($lx \cdot m^2$)	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°	358 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	Pass / Fail
-	0.20° [12′]	5°	343 cd/(lx·m ²)	Min. 75 cd/(lx·m ²)	Pass

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