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检测
TESTING
CNAS L0220

TEST REPORT

Number: GZHT91249824

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE,BELGIUM
Attn: REBECCA/JENNY

Date: Apr 10, 2024

Sample Description:

Thirteen (13) pairs of submitted samples said to be 15 Gauges Recycled Nylon, Carbon Fibre Knitted Gloves, Palm Coated Nitrile, Foam Surface with Nitrile Dots.

Standard	:	ANSI/ISEA 105-2016
Colors	:	Black/Grey
Size	:	11
Style No./Name	:	ECO ALLFLEXDOT
Buyer's Name	:	SAFETY JOGGER
Vendor	:	CORTINA
Palm	:	Recycled nylon & carbon fibre with nitrile & nitrile dots
Back	:	Recycled nylon & carbon fibre
Cuff	:	Recycled nylon & carbon fibre with white elastic
Cuff Binding	:	Polyester
Country Of Origin	:	CHINA
Goods Exported To	:	E.U. & U.S.
Date Received/Date Test Started	:	Mar 29, 2024
Date Final Information Confirmed/ Date Payment Received:		Apr 10, 2024/--

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

/ lydiayang

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 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou 510730
广州市黄埔区保盈东路 8 号 401 房、501 房、601 房、801 房、901 房、1003 房
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Tests Conducted (As Requested By The Applicant)

1 Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15)

Test Condition:
Test Area: Glove Palm (No Pretreatment)
Blade Sharpness Correction Factor: 0.89
Coefficient Of Variation: 4.1%

Sample	Specimen	Rating Force (*)
-	1	226 Grams
	2	224 Grams
	3	232 Grams
	Average	227 Grams
	Classification Level (#)	A1

Detailed Results Of Specimen 1

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	250	15.5	13.8
2	250	15.9	14.1
3	250	14.0	12.4
4	250	12.4	11.0
5	250	10.5	9.3
6	225	20.6	18.3
7	225	22.3	19.8
8	225	22.2	19.7
9	225	27.1	24.1
10	225	26.2	23.3
11	200	36.7	32.6
12	200	38.1	33.9
13	200	40.5	36.0
14	200	42.6	37.9
15	200	39.5	35.1

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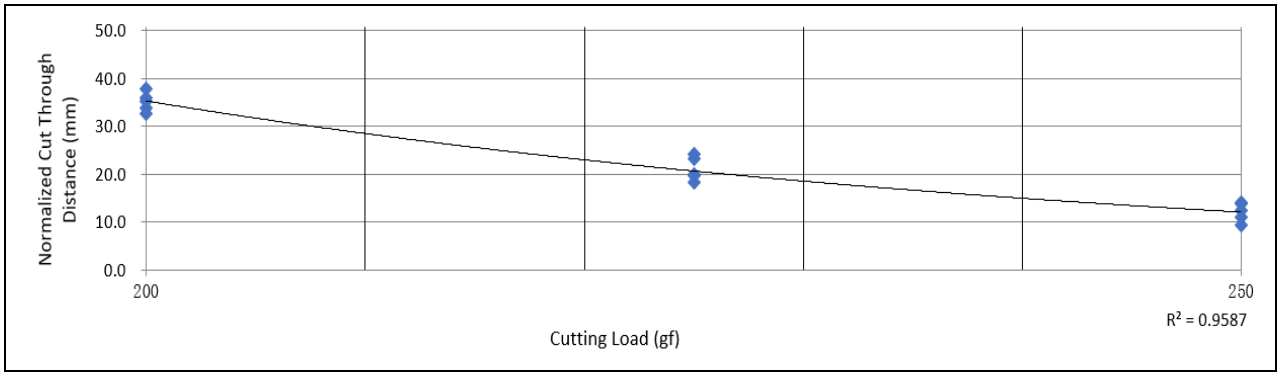
Cut Resistance (Cont)

Graph Of Load vs. Cut Through Distance



Detailed Results Of Specimen 2

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	240	18.5	16.4
2	240	15.7	14.0
3	240	13.2	11.7
4	240	16.3	14.5
5	240	11.5	10.2
6	220	20.9	18.6
7	220	28.8	25.6
8	220	23.2	20.6
9	220	27.7	24.6
10	220	28.2	25.1
11	200	40.8	36.3
12	200	45.4	40.4
13	200	35.4	31.5
14	200	38.6	34.3
15	200	39.5	35.1

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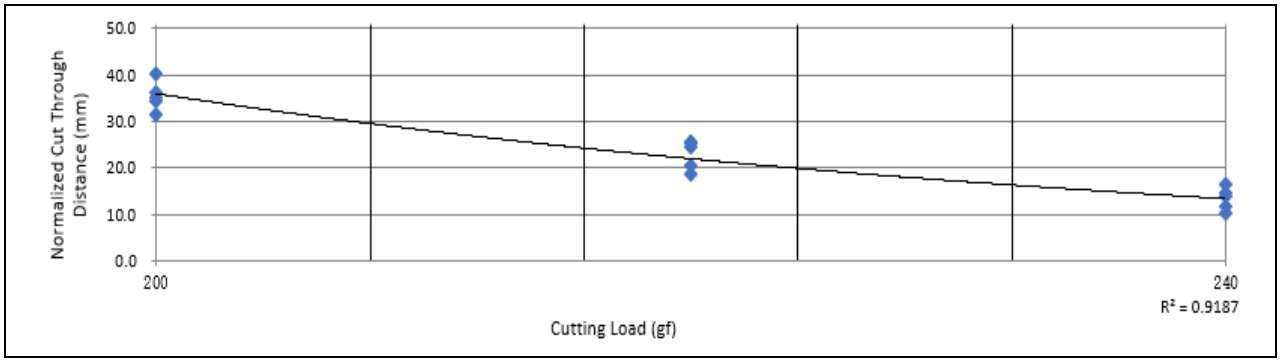
Cut Resistance (Cont)

Graph Of Load vs. Cut Through Distance



Detailed Results Of Specimen 3

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	250	10.5	9.3
2	250	13.0	11.6
3	250	13.8	12.3
4	250	14.2	12.6
5	250	16.7	14.8
6	230	20.5	18.2
7	230	26.5	23.6
8	230	24.5	21.8
9	230	22.2	19.7
10	230	27.1	24.1
11	210	40.5	36.0
12	210	38.6	34.3
13	210	43.5	38.7
14	210	39.6	35.2
15	210	45.2	40.2

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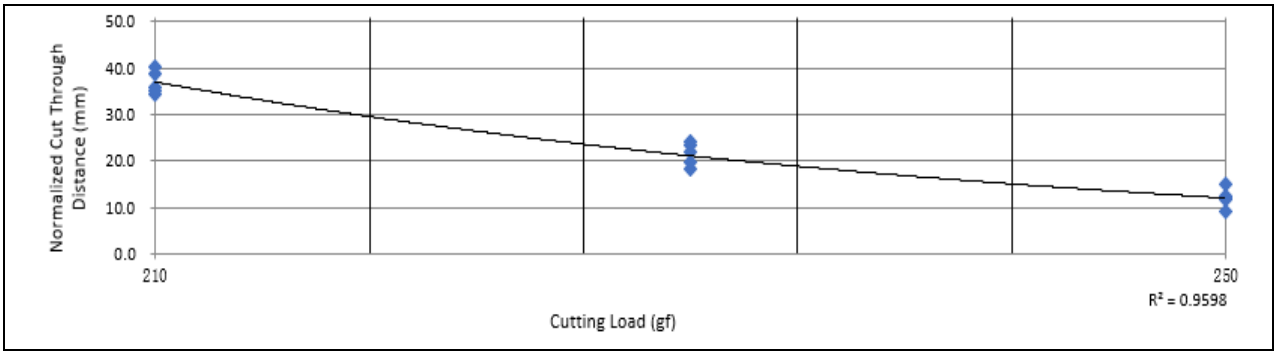
Cut Resistance (Cont)

Graph Of Load vs. Cut Through Distance



Remark: * = In Cut Resistance Testing, The Load Required To Cause A Cutting Edge To Produce A Cut Through When It Traverses The Reference Distance (20 mm In This Test) Across The Material Being Tested.

= Classification Level For Cut Resistance (ANSI-ISEA 105-2016) Is Based On The Average Force Of A Minimum Of 3 Specimens.

Classification For Cut Resistance (ANSI/ISEA 105-2016)	
Level	Weight (Gram) Needed To Cut Through Material With 20 mm Of Blade Travel
A1	≥ 200
A2	≥ 500
A3	≥ 1000
A4	≥ 1500
A5	≥ 2200
A6	≥ 3000
A7	≥ 4000
A8	≥ 5000
A9	≥ 6000

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2 Abrasion Resistance (ANSI/ISEA 105-2016, 5.1.4, Abrasion Wheels: H-18, Load: 500 Gram Load For Level 0 To 3, 1000 Gram Load For Level 4 To 6)

Sample	Test Method		ASTM D3389-10
-	Specimen	Test Load (gram)	Abrasion Cycles To Fail
	Specimen 1	500	> 1100
	Specimen 2	500	> 1100
	Specimen 3	500	> 1100
	Specimen 4	500	> 1100
	Specimen 5	500	> 1100
	Average		> 1100
	Specimen 6	1000	> 20000
	Specimen 7	1000	> 20000
	Specimen 8	1000	> 20000
	Specimen 9	1000	> 20000
	Specimen 10	1000	> 20000
	Average		> 20000
	Classification Level (#)		6

Remark: # = The Average Of 5 Specimens Is Used To Report The Classification Level.

Classification For Abrasion Resistance (ANSI/ISEA 105-2016)	
Level (Test At 500 g Load)	Abrasion Cycles To Fail
0	< 100
1	≥ 100
2	≥ 500
3	≥ 1000
Level (Test At 1000 g Load)	
4	≥ 3000
5	≥ 10000
6	≥ 20000

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3 Puncture Resistance (ANSI/ISEA 105-2016, 5.1.2 & EN 388:2016+A1:2018, 6.4)

Sample	Specimen	Puncture Force
-	1	73 N
	2	68 N
	3	68 N
	4	85 N
	5	63 N
	6	69 N
	7	82 N
	8	72 N
	9	80 N
	10	77 N
	11	77 N
	12	70 N
	Average Of 12 Specimens	74 N
	Classification Level (*)	3

Remark: * = The Classification Is Determined By The Average Of 12 Specimens.

Classification For Puncture Resistance (ANSI-ISEA 105-2016)	
Level	Puncture (Newton)
0	< 10
1	≥ 10
2	≥ 20
3	≥ 60
4	≥ 100
5	≥ 150

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End Of Report

Remark:
1. As Requested by the Applicant, For Details Refer to Attached Page (S).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.

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