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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91125110

Date: Jul 11, 2022

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

Sample Description:

Thirteen (13) pairs of submitted samples said to be protective gloves in Black.

Standard	:	ANSI/ISEA 105-2016
Ref. No.	:	--
P.O. No.	:	--
Colors	:	Black
Size Range	:	11
Style Name	:	MULTITASK
Buyer's Name	:	SAFETY JOGGER
Vendor	:	--
Supplier	:	--
Manufacturer	:	CORTINA
Ref.	:	13 Gauges Polyester Seamless Knitted Glove, Palm Coated PU, Smooth Surface
Palm	:	Black PU
Back	:	Black Knitted Fabric-Polyester
Cuff	:	Black knitted Fabric-Polyester with Elastic
Cuff Binding	:	Blue Polyester
Lining	:	--
Country Of Origin	:	CHINA
Goods Exported To	:	E.U./U.S.
Date Received/Date Test Started:	:	Jun 20, 2022
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



BF / caroljcai

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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

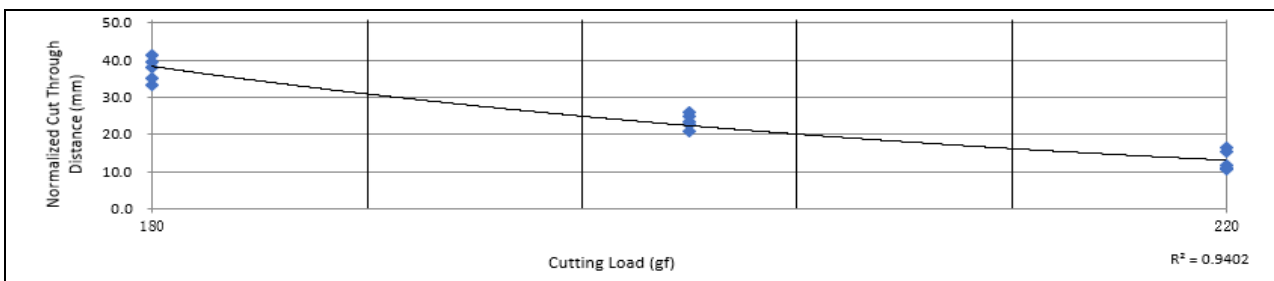
Coefficient Of Variation: 4.1%

Sample	Specimen	Rating Force (*)
-	1	204 grams
	2	202 grams
	3	201 grams
	Average	202 grams
	Classification Level (#)	A1

Detailed Results Of Specimen 1

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	220	18.5	16.4
2	220	17.3	15.4
3	220	13.1	11.6
4	220	12.2	10.8
5	220	11.9	10.6
6	200	28.0	24.9
7	200	26.4	23.5
8	200	23.5	20.9
9	200	25.7	22.8
10	200	29.1	25.9
11	180	44.4	39.5
12	180	46.5	41.3
13	180	37.3	33.2
14	180	39.7	35.3
15	180	42.9	38.1

Graph Of Load vs. Cut Through Distance

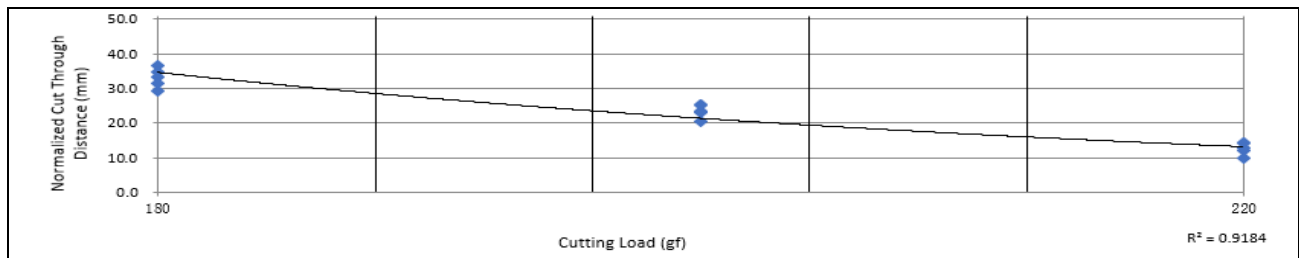


Cut Resistance (Cont)

Detailed Results Of Specimen 2

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	220	13.7	12.2
2	220	15.9	14.1
3	220	16.0	14.2
4	220	11.3	10.0
5	220	14.5	12.9
6	200	26.5	23.6
7	200	25.9	23.0
8	200	28.6	25.4
9	200	28.5	25.3
10	200	23.1	20.5
11	180	41.2	36.6
12	180	39.0	34.7
13	180	33.1	29.4
14	180	37.6	33.4
15	180	35.4	31.5

Graph Of Load vs. Cut Through Distance

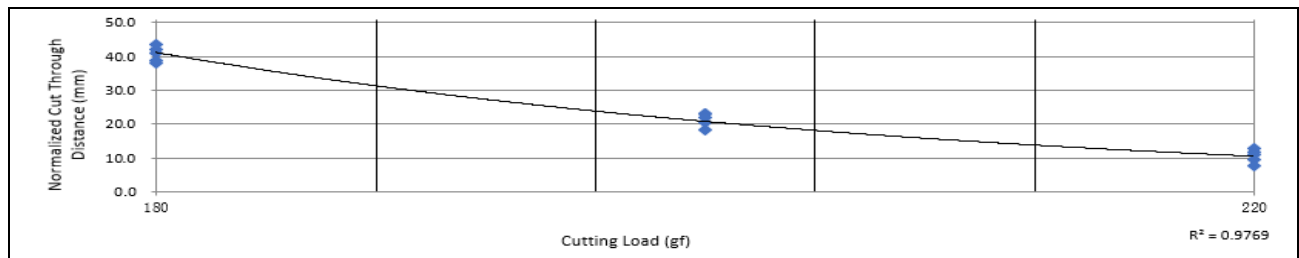


Cut Resistance (Cont)

Detailed Results Of Specimen 3

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	220	13.1	11.6
2	220	10.8	9.6
3	220	14.6	13.0
4	220	8.6	7.6
5	220	12.3	10.9
6	200	20.6	18.3
7	200	23.0	20.4
8	200	26.0	23.1
9	200	25.9	23.0
10	200	24.9	22.1
11	180	45.9	40.8
12	180	47.5	42.2
13	180	48.9	43.5
14	180	42.8	38.0
15	180	43.8	38.9

Graph Of Load vs. Cut Through Distance





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Tests Conducted (As Requested By The Applicant)



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Cut Resistance (Cont)

- 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





- 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
	The Average Of 5 Specimens		> 1100
	Specimen 6	1000	3300
	Specimen 7	1000	3700
	Specimen 8	1000	4500
	Specimen 9	1000	5500
	Specimen 10	1000	3600
	The Average Of 5 Specimens		4120
	Classification Level (#)		4

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





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

Sample	Specimen	Puncture Force
-	1	30 N
	2	49 N
	3	55 N
	4	41 N
	5	35 N
	6	44 N
	7	30 N
	8	32 N
	9	56 N
	10	41 N
	11	38 N
	12	32 N
Average Of 12 Specimens		40 N
Classification Level (*)		2

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

Level	Puncture (Newton)
0	< 10
1	≥ 10
2	≥ 20
3	≥ 60
4	≥ 100
5	≥ 150





End Of Report

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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.

