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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91274094

Date: Jul 18, 2024

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

Sample Description:

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

Standard	:	ANSI/ISEA 105-2016
Colors	:	GREY/BLACK
Size	:	11
Style No./Name	:	ECO PROTECTOR
Buyer's Name	:	SAFETY JOGGER
Manufacturer	:	CORTINA
Ref.	:	13 Gauges HPPE, Recycled Polyester, Spandex, Glass Fibre, Knitted Glove, Palm Coated Nitrile, Sandy Surface
Palm	:	HPPE (HIGH PERFORMANCE POLYETHYLENE) & recycled polyester & polyester & glass fibre & spandex with nitrile
Back	:	HPPE (HIGH PERFORMANCE POLYETHYLENE) & recycled polyester & polyester & glass fibre & spandex with nitrile
Cuff	:	HPPE (HIGH PERFORMANCE POLYETHYLENE) & recycled polyester & polyester & glass fibre & spandex with elastic
Cuff Binding	:	Polyester
Country Of Origin	:	CHINA
Goods Exported To	:	EU&US
Date Received/Date Test Started:	:	Jul 15, 2024
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



CL / kayyu

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检验检测专用章

(6)



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: 0.81

Coefficient Of Variation: 4.1%

Sample	Specimen	Rating Force (*)
-	1	1980 Grams
	2	2037 Grams
	3	1880 Grams
	Average	1966 Grams
	Classification Level (#)	A4

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.

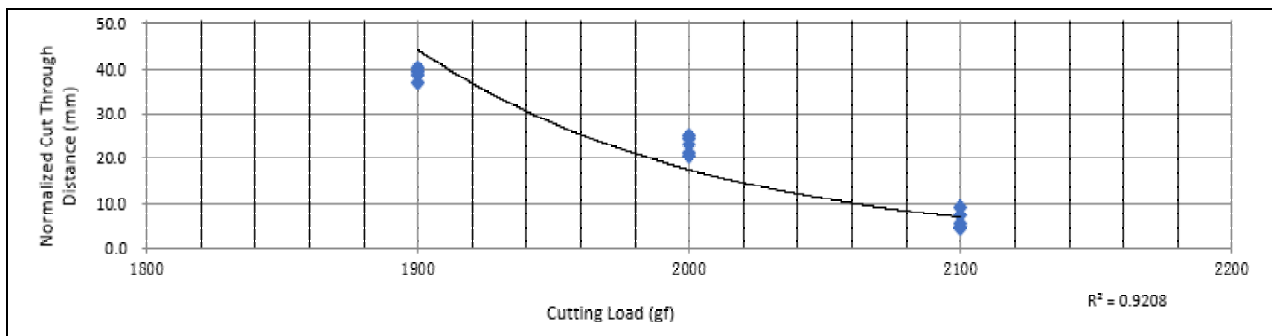
Classification For Cut Resistance (ANSI/ISEA 105-2016)	
Level	Weight (Gram) Needed To Cut Through Material With 20 mm Of Blade Travel
A1	≥ 200
A2	≥ 500
A3	≥ 1000
A4	≥ 1500
A5	≥ 2200
A6	≥ 3000
A7	≥ 4000
A8	≥ 5000
A9	≥ 6000

Cut Resistance (Cont)

Detailed Results Of Specimen 1

Cut	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	2100	5.9	4.8
2	2100	5.6	4.6
3	2100	6.8	5.5
4	2100	9.2	7.5
5	2100	11.3	9.2
6	2000	26.2	21.3
7	2000	25.3	20.6
8	2000	28.3	23.0
9	2000	31.2	25.4
10	2000	30.2	24.6
11	1900	47.9	38.9
12	1900	48.6	39.5
13	1900	49.3	40.1
14	1900	45.3	36.8
15	1900	47.5	38.6

Graph Of Load vs. Cut Through Distance

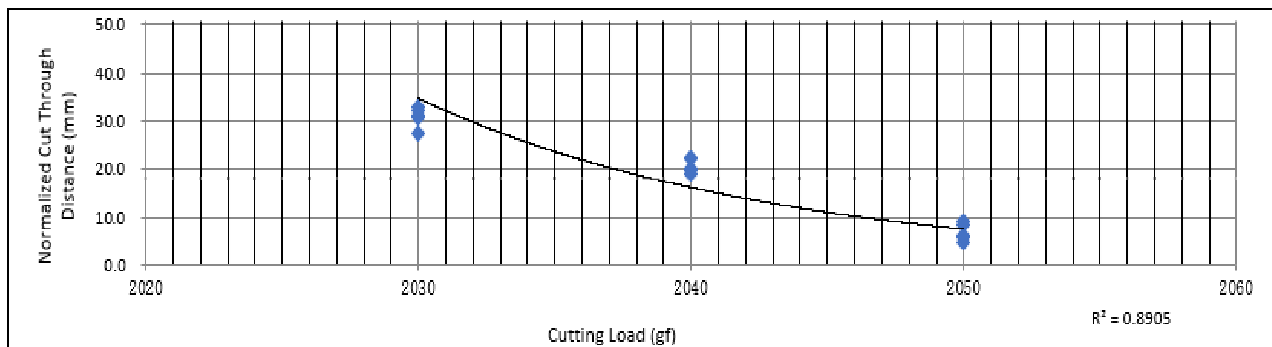


Cut Resistance (Cont)

Detailed Results Of Specimen 2

Cut	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	2050	6.1	5.0
2	2050	7.2	5.9
3	2050	10.3	8.4
4	2050	11.2	9.1
5	2050	7.5	6.1
6	2040	27.6	22.4
7	2040	27.6	22.4
8	2040	24.7	20.1
9	2040	24.1	19.6
10	2040	23.2	18.9
11	2030	33.9	27.6
12	2030	37.6	30.6
13	2030	40.3	32.8
14	2030	39.5	32.1
15	2030	38.1	31.0

Graph Of Load vs. Cut Through Distance

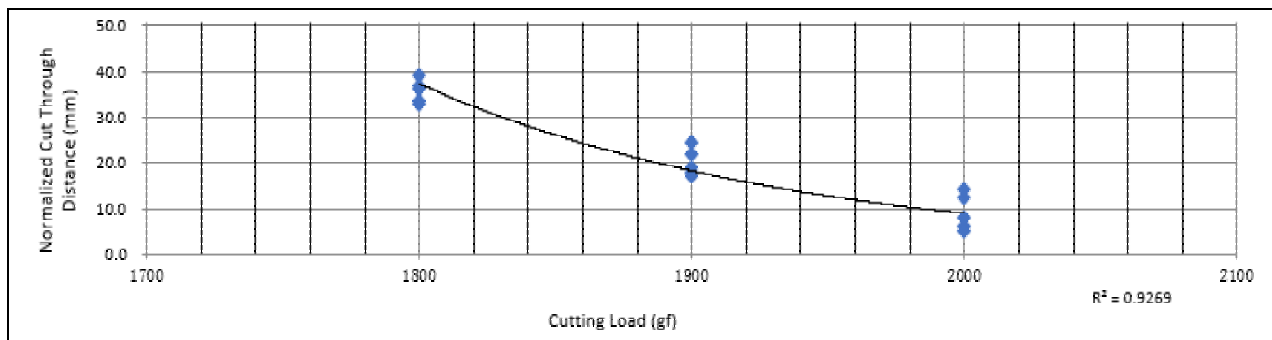


Cut Resistance (Cont)

Detailed Results Of Specimen 3

Cut	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	2000	15.2	12.4
2	2000	7.9	6.4
3	2000	17.6	14.3
4	2000	6.5	5.3
5	2000	9.7	7.9
6	1900	23.5	19.1
7	1900	21.2	17.2
8	1900	21.9	17.8
9	1900	30.2	24.6
10	1900	27.1	22.0
11	1800	45.5	37.0
12	1800	44.6	36.3
13	1800	41.4	33.7
14	1800	40.6	33.0
15	1800	48.3	39.3

Graph Of Load vs. Cut Through Distance





- 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





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

Sample	Specimen	Puncture Force
-	1	222 N
	2	203 N
	3	195 N
	4	198 N
	5	229 N
	6	222 N
	7	256 N
	8	213 N
	9	246 N
	10	196 N
	11	209 N
	12	187 N
Average Of 12 Specimens		215 N
Classification Level (*)		5

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



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.