

Total Quality. Assured. TEST REPORT



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

Sample Description:

Thirteen (13) pairs of submitted samples said to be 15 Gauges Recycled Polyester Knitted Gloves, Palm Coated Latex, Sandy Surface.

Standard	:	ANSI/ISEA 105-2016
Colors	:	Navy/Blue
Size	:	11
Style No./Name	:	ECO PRODRY
Buyer's Name	:	SAFETY JOGGER
Vendor	:	CORTINA
Palm	:	Precycled polyester with latex
Back	:	Precycled polyester with latex
Cuff	:	Recycled polyester with white elastic
Cuff Binding	:	Polyester
Country Of Origin	:	CHINA
Goods Exported To	:	E.U. & U.S.
Date Received/Date Test Started	d:	Mar 29, 2024
Date Final Information Confirme	ed/	Apr 10, 2024/
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

EC / lydiayang



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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	252 Grams
	2	253 Grams
	3	251 Grams
Average		252 Grams
	Classification Level (#)	A1

#### Detailed Results Of Specimen 1

	Load	Cut Through Distance	Normalized Cut Through Distance
	(gf)	(mm)	(mm)
1	270	15.4	13.7
2	270	12.9	11.5
3	270	16.5	14.7
4	270	10.5	9.3
5	270	9.5	8.4
6	250	22.6	20.1
7	250	29.9	26.6
8	250	25.5	22.7
9	250	22.8	20.3
10	250	25.1	22.3
11	230	40.0	35.6
12	230	48.5	43.1
13	230	44.8	39.8
14	230	40.5	36.0
15	230	45.5	40.4

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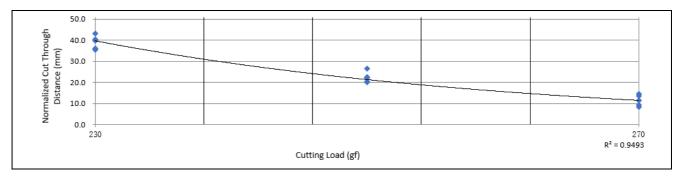
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Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont)

### Graph Of Load vs. Cut Through Distance



### **Detailed Results Of Specimen 2**

	Load	Cut Through Distance	Normalized Cut Through Distance
	(gf)	(mm)	(mm)
1	270	16.9	15.0
2	270	18.6	16.5
3	270	10.1	9.0
4	270	15.6	13.9
5	270	13.5	12.0
6	250	20.2	18.0
7	250	25.4	22.6
8	250	24.8	22.0
9	250	25.6	22.8
10	250	28.4	25.2
11	230	42.1	37.4
12	230	40.5	36.0
13	230	44.0	39.1
14	230	38.6	34.3
15	230	37.4	33.2

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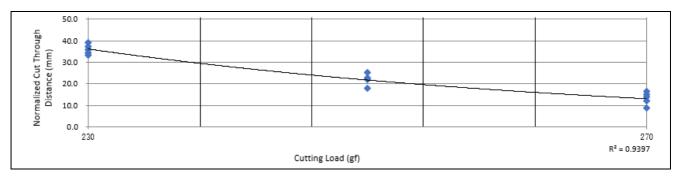
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Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont)

### Graph Of Load vs. Cut Through Distance



### **Detailed Results Of Specimen 3**

	Load	Cut Through Distance	Normalized Cut Through Distance
	(gf)	(mm)	(mm)
1	270	13.3	11.8
2	270	8.9	7.9
3	270	15.2	13.5
4	270	10.5	9.3
5	270	16.2	14.4
6	250	21.2	18.8
7	250	25.2	22.4
8	250	28.1	25.0
9	250	27.2	24.2
10	250	25.3	22.5
11	230	41.2	36.6
12	230	46.2	41.1
13	230	39.1	34.8
14	230	37.2	33.1
15	230	40.5	36.0

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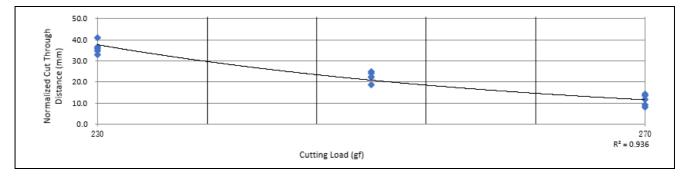
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#### Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont) Graph Of Load vs. Cut Through Distance



- 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	2900
	Specimen 7	1000	4200
	Specimen 8	1000	4500
	Specimen 9	1000	2800
	Specimen 10	1000	4000
	Average		3680
	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

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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	41 N
	2	63 N
	3	58 N
	4	45 N
	5	54 N
	6	60 N
	7	52 N
	8	62 N
	9	73 N
	10	72 N
	11	41 N
	12	78 N
	Average Of 12 Specimens	58 N
	Classification Level (*)	2

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

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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.



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