



Total Quality. Assured.
TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91132129

Date: Jul 26, 2022

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

Attn: REBECCA/JENNY

Sample Description:

Thirteen (13) pairs of submitted samples said to be 13 Gauges Polyester Seamless Knitted Gloves, Palm Coated Latex, Crinkle Surface in Black/Red.

Standard	:	ANSI/ISEA 105-2016
Ref. No.	:	PROFLEX
Colors	:	Black/Red
Size Range	:	12
Style Name	:	PROFLEX
Buyer's Name	:	SAFETY JOGGER
Manufacturer	:	CORTINA
Palm	:	Red Knitted Fabric Polyester with Black Latex
Back	:	Red Knitted Fabric Polyester
Cuff	:	Red Knitted Fabric Polyester with Elastic
Cuff Binding	:	Green Polyester
Country Of Origin	:	CHINA
Goods Exported To	:	E.U./U.S.
Date Received/Date Test Started	:	Jul. 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



wx / karrieliu

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Tests Conducted (As Requested By The Applicant)



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

Test Condition:

Test Area: Glove Palm

Blade Sharpness Correction Factor: 0.89

Coefficient Of Variation : 4.1%

Sample	Specimen	Rating Force (*)
-	1	320 Grams
	2	305 Grams
	3	260 Grams
	Average	295 Grams
	Classification Level (#)	A1

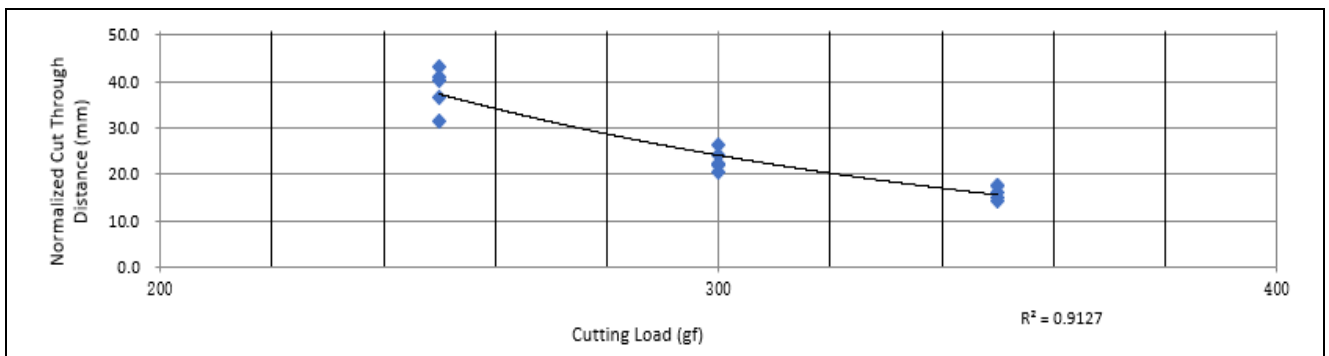


Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont)

Detailed Results Of Specimen 1

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	350	19.6	17.4
2	350	16.8	14.9
3	350	18.2	16.2
4	350	16.0	14.2
5	350	19.6	17.4
6	300	27.0	24.0
7	300	25.2	22.4
8	300	24.5	21.8
9	300	29.6	26.3
10	300	23.2	20.6
11	250	35.2	31.3
12	250	45.2	40.2
13	250	46.2	41.1
14	250	41.2	36.6
15	250	48.5	43.1

Graph Of Load vs. Cut Through Distance

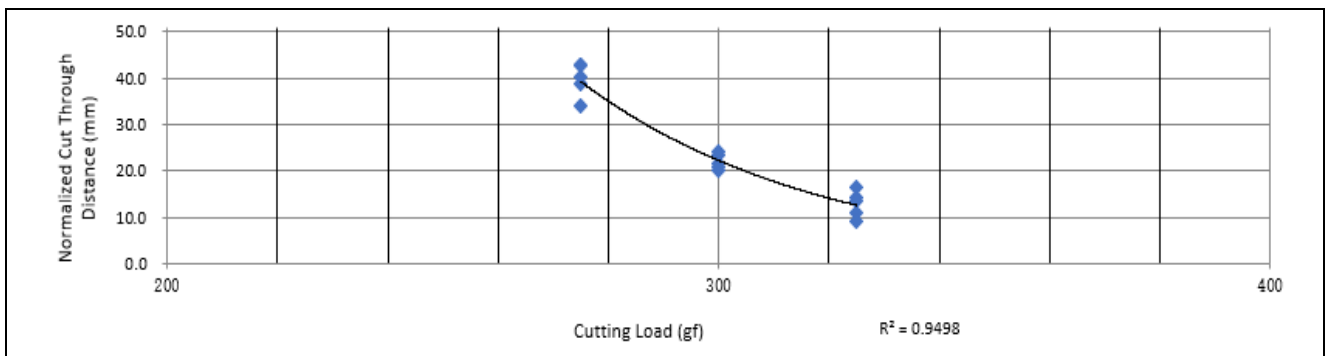


Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont)

Detailed Results Of Specimen 2

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	325	12.5	11.1
2	325	16.2	14.4
3	325	15.3	13.6
4	325	18.5	16.4
5	325	10.5	9.3
6	300	24.1	21.4
7	300	22.5	20.0
8	300	26.2	23.3
9	300	23.5	20.9
10	300	27.2	24.2
11	275	48.2	42.8
12	275	45.2	40.2
13	275	43.6	38.8
14	275	38.2	34.0
15	275	48.0	42.7

Graph Of Load vs. Cut Through Distance

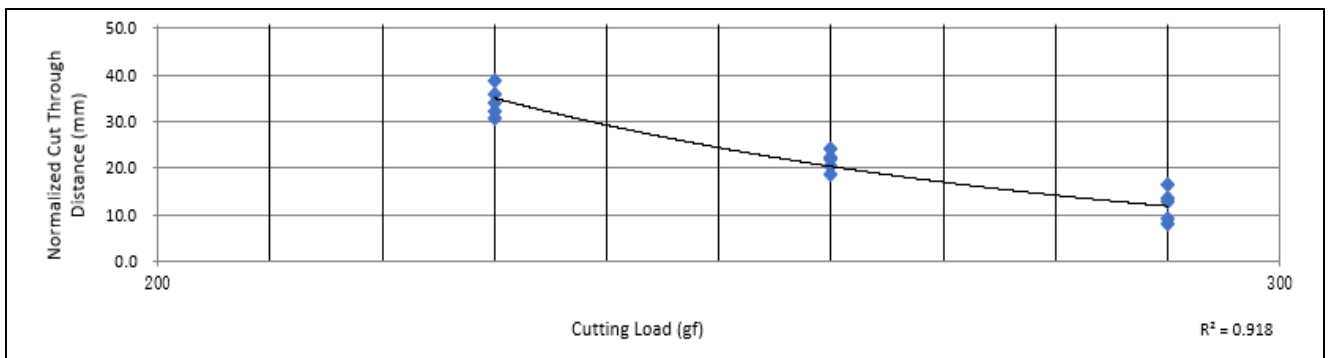


Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (Cont)

Detailed Results Of Specimen 3

	Load (gf)	Cut Through Distance (mm)	Normalized Cut Through Distance (mm)
1	290	15.2	13.5
2	290	8.9	7.9
3	290	10.2	9.1
4	290	18.5	16.4
5	290	14.5	12.9
6	260	24.6	21.9
7	260	23.2	20.6
8	260	20.8	18.5
9	260	27.2	24.2
10	260	25.2	22.4
11	230	40.3	35.8
12	230	43.5	38.7
13	230	36.2	32.2
14	230	38.2	34.0
15	230	34.5	30.7

Graph Of Load vs. Cut Through Distance





Cut Resistance (ANSI/ISEA 105-2016, 5.1.1 & ASTM F2992-15) (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, 1 000 Gram Load For Level 4 To 6)

Sample	Test Method	ASTM D3389-10	
-	Specimen	Abrasion Cycles To Fail	
		Test Load (gram)	
	Specimen 1	500	
	Specimen 2	500	
	Specimen 3	500	
	Specimen 4	500	
	Specimen 5	500	
	The Average Of 5 Specimens		> 1100
	Specimen 6	1 000	3500
	Specimen 7	1 000	5000
	Specimen 8	1 000	5000
	Specimen 9	1 000	4000
	Specimen 10	1 000	5800
	The Average Of 5 Specimens		4660
	Classification Level (#)		3

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	≥ 1 000
Level (Test At 1 000 g Load)	
4	≥ 3 000
5	≥ 10 000
6	≥ 20 000





3 Puncture Resistance (ANSI/ISEA 105-2016, 5.1.2 & EN 388: 2003, 6.4)

Sample	Specimen	Puncture Force
-	1	63 N
	2	62 N
	3	59 N
	4	64 N
	5	56 N
	6	61 N
	7	56 N
	8	61 N
	9	75 N
	10	54 N
	11	68 N
	12	63 N
Average Of 12 Specimens		62 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





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.

