

Test Report

SL52415314330901TX

Date: July 09, 2024 Page 1 of 7

TAICANG SHUNFU KNITWEAR CO., LTD.
NO.147 TONGGANG WEST ROAD, SHAXI TOWN, TAICANG CITY

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Cotton protective gloves

Sample Color : (A) white

Composition : (A) 100% COTTON

Style No. : WT135

Proposed Care Instruction : -

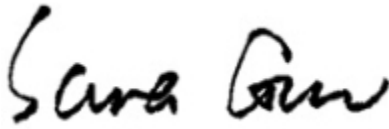
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 18, 2024

Testing Period : Jul 03, 2024 - Jul 09, 2024

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd



Sara Guo (Account Executive)

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COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Color	Remark
A	1	Palm	white	
A	2	Cuff	white	



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Test Result

Fibre Content

(ISO/TR 11827:2012)

Requirement

Cotton (%) (1)
 100
 Remark: Trace amount of other fibres.

Protective Gloves against Mechanical Risks

EN 388:2016+A1:2018

Clause 4.1 Abrasion Resistance

(EN 388:2016+A1:2018, Clause 6.1;)

As Received	No. 1	No. 2	No. 3	No. 4	Minimum
Abrasion Result(Rubs)	750	700	700	650	650

Recommended Level: 2

Remark:

- 1) Performance requirement:
 Level 1: 100rubs; Level 2: 500rubs; Level 3: 2000rubs; Level 4: 8000rubs
- 2) Consumables information:
 Abradant: Klingspor PL31B Grit 180
 Double-sided adhesive tape: Polyken ®



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Clause 4.1 Blade Cut Resistance
(EN 388:2016+A1:2018 Clause 6.2)

Sample A
As received

	Unit	C _n	T	C _{n+1}	Index	Index of each Specimen
Specimen 1						
Sequence 1		1.3	1.3	1.3	2.0	1.9
Sequence 2	-	1.3	1.2	1.3	1.9	
Sequence 3	-	1.3	1.2	1.4	1.9	
Sequence 4	-	1.4	1.3	1.4	1.9	
Sequence 5	-	1.4	1.3	1.4	1.9	
Specimen 2						
Sequence 1	-	1.4	1.4	1.4	2.0	2.0
Sequence 2	-	1.4	1.3	1.4	1.9	
Sequence 3	-	1.4	1.4	1.4	2.0	
Sequence 4	-	1.4	1.4	1.5	2.0	
Sequence 5	-	1.5	1.5	1.5	2.0	
Lowest of the Two Average : 1.9						

Recommended level : 1

Remark :

- 1) C_n & C_{n+1}= Cut-through cycles of control specimen; T= Cut-through cycles of test specimen;
- 2) Performance requirement : Level 1-1.2, Level 2-2.5, Level 3-5.0, Level 4-10.0, Level 5-20.0
The performance level is defined as the lowest of the two specimen index values.
- 3) Consumables information:
Canvas : LEM 6
Blade : RB45-10

Clause 4.1 Tear Resistance

(EN 388:2016+A1:2018, Clause 6.4)

As Received

	Unit	Palm
-		
In the direction of the glove - 1#	N	97
In the direction of the glove - 2#	N	92
Across the palm width of the glove -1#	N	77
Across the palm width of the glove -2#	N	79
Lowest value	N	77

Recommended Level: 4

Remark: Level 1: 10N; Level 2: 25N; Level 3: 50N; Level 4: 75N



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Clause 4.1 Puncture Resistance

(EN 388:2016+A1:2018, Clause 6.5)

Palm

As Received	No. 1	No. 2	No. 3	No. 4	Minimum
Result(N)	54	56	66	55	54

Recommended Level: 1

Remark: Level 1: 20N; Level 2: 60N; Level 3: 100N; Level 4: 150N

Protective Gloves and Other Hand Protective Equipments against Thermal Risks (Heat and/or Fire)

EN 407:2020

Clause 4.3 Tear Resistance

(EN 407:2020, Clause 6.8)

Palm

As Received	No. 1	No. 2	Requirement
In the Direction of the Glove(N)	93	94	Min.10N
Across the Palm with of the Glove(N)	86	78	Min.10N

Cuff

As Received	No. 1	No. 2	Requirement
In the Direction of the Glove(N)	34	36	Min.10N
Across the Palm with of the Glove(N)	33	34	Min.10N

Conclusion: Pass



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Clause 4.5.3 Contact Heat

(EN ISO 12127-1:2015; Contact temperature Tc: 250°C)

Palm

As Received	No. 1	No. 2	No. 3
Threshold Time(s)	15.5	15.6	15.5
Innermost Layer Melting or Holing	N	N	N

Recommended Level : Level 2

Remark

- 1) Contact temperature, Tc: Surface temperature of the contact area of the heating cylinder.
- 2) Threshold time, tt: Time between the start of timing and the moment when the temperature of the calorimeter is 10°C above its starting value.
- 3) Y: Yes; N: No
- 4) Requirement:
 - i. Performance level: Level 1: contact temperature Tc: 100°C, threshold time tt : ≥15s;
 Level 2: contact temperature Tc: 250°C, threshold time tt : ≥15s;
 Level 3: contact temperature Tc: 350°C, threshold time tt : ≥15s;
 Level 4: contact temperature Tc: 500°C, threshold time tt : ≥15s;
 The performance level shall be recommended based on the lowest of the individual values.
 - ii. Innermost layers shall show no sign of melting and holing.



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Sample Photo



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End of Report

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