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# TEST REPORT

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Report No.: S220100078\_1

21 January 2022

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APPLICANT: NANTONG JIADELI SAFETY PRODUCTS CO. LTD  
南通嘉得利 (C00498)

Shuangdian Industrial park C Rudong  
Jiangsu, China  
226400 RUDONG  
CHINA

Date of receipt : 05 Jan. 2022  
Testing period : 05 Jan. 2022  
: 20 Jan. 2022

Buyer: ---

**Sample description:** 13 gauge nylon and carbon gloves, with white PU coating on palm

Style / Article no. : PC8101  
Test(s) requested : ---  
Service : EXPRESS  
Brand / Section : ---  
Season : ---  
End use : ---  
Factory name : ---  
Factory code : ---

**For CE Marking : Yes**

Previous report : ---  
Product category : ---  
Product type : ---  
Test stage : FIRST TEST  
Supplier name : ---  
Exported to : ---

## 1. Conclusion:

	<u>Tests description</u>	<u>Conformity</u>
	<b>EN 388</b>	
1	Abrasion resistance: 2016	Level 3
2	Cut resistance: 2016	Level 1
3	Tear strength resistance: 2016	Level 3
4	Puncture resistance: 2016	Level 1

	<u>Tests description</u>	<u>Conformity</u>
5	Vertical resistance of material	Pass

Pass: requirements met    Fail: requirements not met    None: no requirement for this test    N/A: not applicable

Approved by



Henry YAN 严滨  
Laboratory Manager



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## 2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	GLOVE	white(light grey) PU(nylon/carbon) palm light grey nylon/carbon back  light grey/white nylon/carbon/elastic cuff	



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### 3. GLOVE/

white(light grey) PU(nylon/carbon) palm

	Method	Client Requirement	Unit	Result	Conformity
(+) <b>4.1. Abrasion resistance: 2016</b> Deviation from the test method used consumables - abrasive used consumables - adhesive Number of cycles at the hole detection Number of cycles at the hole detection (2) Number of cycles at the hole detection (3) Number of cycles at the hole detection (4) Performance level	EN 388:2016 + A1:2018			No Klingspor PL31B Grit 180 3M Scotch 2500 2600 2400 2700 3	
(+) <b>4.1. Cut resistance: 2016</b> Deviation from the test method used consumables - canvas used consumables - blade C1 T1 1C1 I1 C2 T2 1C2 I2 C3 T3 1C3 I3 C4 T4 1C4 I4 C5	EN 388:2016 + A1:2018			No LEM 6 OLFA RB45 0.8 0.3 1.2 1.3 1.2 0.3 1.2 1.3 1.2 0.4 1.2 1.3 1.2 0.7 1.2 1.6 1.2	

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To declare the conformity to the requirement, the uncertainty of measurement, associated to the test results, has not been taken into account.



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	Method	Client Requirement	Unit	Result	Conformity
T5				0.7	
1C5				1.1	
I5				1.6	
Mean value of test piece 1				1.4	
C1 bis				0.8	
T1 bis				0.2	
2C1bis				0.8	
I1 bis				1.3	
C2 bis				0.8	
T2 bis				0.3	
2C2bis				0.8	
I2 bis				1.4	
C3 bis				0.8	
T3 bis				0.2	
2C3bis				0.8	
I3 bis				1.3	
C4 bis				0.8	
T4 bis				0.2	
2C4bis				0.8	
I4 bis				1.3	
C5 bis				0.8	
T5 bis				0.3	
2C5bis				0.8	
I5 bis				1.4	
Mean value of test piece 2				1.3	
Considered value				1.3	
Performance level				1	
Observation				No comment	
<b>(+) 4.1. Tear strength resistance: 2016</b>	EN 388:2016 + A1:2018				
Tear strength			N	64	
Tear strength (2)			N	65	
Tear strength (3)			N	>75	
Tear strength (4)			N	>75	

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	Method	Client Requirement	Unit	Result	Conformity
Performance level				3	
(+) <b>4.1. Puncture resistance: 2016</b>	EN 388:2016 + A1:2018				
Puncture resistance			N	41	
Puncture resistance (2)			N	36	
Puncture resistance (3)			N	28	
Puncture resistance (4)			N	30	
Performance level				1	
<b>▲ Vertical resistance of material</b>	EN 16350: 2014				Pass
Pre-conditioning				(23±1)°C,(25±5)%RH for 48H	
Test apparatus				Normal specimen (EN 1149-2)	
Number of test piece(s)				5	
Applied voltage			V	10	
Vertical resistance (1)		<100	Mohms	0.302	
Vertical resistance (2)		<100	Mohms	0.179	
Vertical resistance (3)		<100	Mohms	0.162	
Vertical resistance (4)		<100	Mohms	0.293	
Vertical resistance (5)		<100	Mohms	0.286	

light grey nylon/carbon back

	Method	Client Requirement	Unit	Result	Conformity
<b>▲ Vertical resistance of material</b>	EN 16350: 2014				Pass
Pre-conditioning				(23±1)°C,(25±5)%RH for 48H	
Test apparatus				Normal specimen (EN 1149-2)	
Number of test piece(s)				5	
Applied voltage			V	10	
Vertical resistance (1)		<100	Mohms	0.0241	
Vertical resistance (2)		<100	Mohms	0.0145	
Vertical resistance (3)		<100	Mohms	0.0101	
Vertical resistance (4)		<100	Mohms	0.0116	
Vertical resistance (5)		<100	Mohms	0.0145	

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light grey/white nylon/carbon/elastic cuff

	Method	Client Requirement	Unit	Result	Conformity
<b>▲ Vertical resistance of material</b>	EN 16350: 2014				Pass
Pre-conditioning				(23±1)°C,(25±5)%RH for 48H	
Test apparatus				Smaller specimen (EN 61340-2-3)	
Number of test piece(s)				5	
Applied voltage			V	10	
Vertical resistance (1)		<100	Mohms	0.0121	
Vertical resistance (2)		<100	Mohms	0.0117	
Vertical resistance (3)		<100	Mohms	0.0134	
Vertical resistance (4)		<100	Mohms	0.0145	
Vertical resistance (5)		<100	Mohms	0.0141	

## END OF TEST REPORT

(+)CNAS accreditation

▲: The test was carried out by external accredited laboratory under their accreditation scope.

Unless otherwise specified, the physical test items in this report performed in CTC Shanghai lab were conditioned and tested in the environment of T 23±2°C / RH 50±4%.

Table of Performance Level for Glove

Test Item	Performance Level					
	0 <sup>##</sup>	1	2	3	4	5
<b>Abrasion Resistance (EN 388)</b> Number of cycles (minimum)	<100	100	500	2000	8000	---
<b>Blade Cut Resistance (EN 388)</b> Index (I) (minimum)	<1.2	1.2	2.5	5.0	10.0	20.0
<b>Tear Resistance (EN 388)</b> Force (N) (minimum)	<10	10	25	50	75	---
<b>Puncture Resistance (EN 388)</b> Force (N) (minimum)	<20	20	60	100	150	---

## Performance level 0 means the glove falls below the minimum performance level for the given individual hazard

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