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检测
TESTING
CNAS L4577

TEST REPORT

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Report No.: S240606017_1

21 June 2024

sales2@tonsunsafety.com

APPLICANT: JIANGSU TONSUN SAFETY PRODUCTS
CO., LTD (C34720)
A2#512, N0777 JIANZHU WEST ROAD
WUXI JIANGSU
CHINA

Date of receipt : 13 June 2024
Testing period : 18 June 2024
: 21 June 2024

Buyer: —

Sample description: 13G CUT-A9 liner, Foam Nitrile palm coating with nitrile dots

Style / Article no. : C17590
Test(s) requested : —
Service : REGULAR
Brand / Section : —
Season : —
End use : —
Factory name : —
Factory code : —

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

1. Conclusion:

	Tests description	Conformity
	EN 388:2016+A1:2018	
1	Abrasion resistance: 2016	Level 4
2	Cutting resistance TDM	Level F
3	Tear strength resistance: 2016	Level 4
4	Puncture resistance: 2016	Level 3

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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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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2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	GLOVE	black(orange/white) nitrile(HPPE(high performance polyethylene)/tungsten/steel) with orange nitrile dots palm	



240606017

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3. GLOVE/

black(orange/white) nitrile(HPPE(high performance polyethylene)/tungsten/steel) with orange nitrile dots palm

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.1. Abrasion resistance: 2016 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			Klingspor PL31B Grit 180 3M Scotch >8000 >8000 >8000 >8000 4	
(+) 4.1. Cutting resistance TDM used consumables - blade Coefficient of variation Adjusted factor for blade with neoprene Mean cut length on neoprene for a load of 5.0 N Normalized cutting stroke lengths Normalized cutting stroke lengths (2) Normalized cutting stroke lengths (3) Normalized cutting stroke lengths (4) Normalized cutting stroke lengths (5) Mean normalized cutting stroke length Cut load adjusted for a cut length of 20 mm Performance level	EN ISO 13997:1999		% mm mm mm mm mm mm N	20240224 2.3 0.94 21.2 5.6 13.1 9.8 39.7 33.5 20.3 39.2 Level F	

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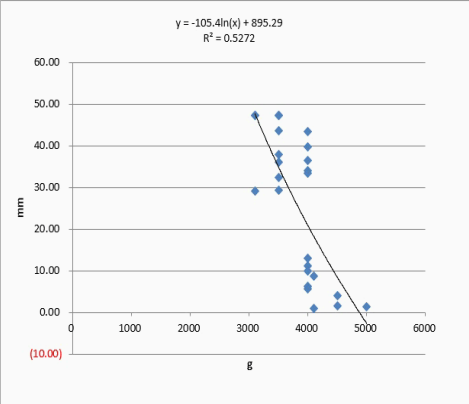


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	Method	Client Requirement	Unit	Result	Conformity
					
(+) 4.1. Tear strength resistance: 2016	EN 388:2016 + A1:2018				
Tear strength			N	>75	
Tear strength (2)			N	>75	
Tear strength (3)			N	>75	
Tear strength (4)			N	>75	
Performance level				4	
(+) 4.1. Puncture resistance: 2016	EN 388:2016 + A1:2018				
Puncture resistance			N	108	
Puncture resistance (2)			N	104	
Puncture resistance (3)			N	114	
Puncture resistance (4)			N	109	
Performance level				3	

END OF TEST REPORT

(+)CNAS accreditation

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##	1	2	3	4	5
Abrasion Resistance (EN 388) Number of cycles (minimum)	<100	100	500	2000	8000	---

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Tear Resistance (EN 388) Force (N) (minimum)	<10	10	25	50	75	---
Puncture Resistance (EN 388) 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

Levels of performance for materials tested with EN ISO 13997

	Level A	Level B	Level C	Level D	Level E	Level F
6.3 TDM: cut resistance (N)	2	5	10	15	22	30

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