



3F, Building Block 2, No. 3400 Gonghexin Road,
Jing'an District - Shanghai 200436, P.R. CHINA
上海市静安区共和新路3400号2幢3层
Tél. : +86 21 68 55 50 32
Fax : +86 21 68 55 50 33
E-mail : ctcshanghai@ctcgroupe.com



中国认可
国际互认
检测
TESTING
CNAS L4577

TEST REPORT

Page 1/5

Report No.: S240301730_1

11 March 2024

mark_zhang@raxwell.cn

APPLICANT: RAXWELL INDUSTRIAL TECHNOLOGY
CO., LTD 瑞氨维尔工业科技有限公司
(C53204)
太仓市沙溪镇沙南西路488号
. SUZHOU JIANGSU
CHINA

Date of receipt : 06 Mar. 2024
Testing period : 08 Mar. 2024
: 11 Mar. 2024

Buyer: —

Sample description: Raxwell HPPE 防割袖套

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
	ANSI-ISEA 105: 2016	
1	Cutting resistance TDM	Level A7

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

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

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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



TEST REPORT

Page 2/5

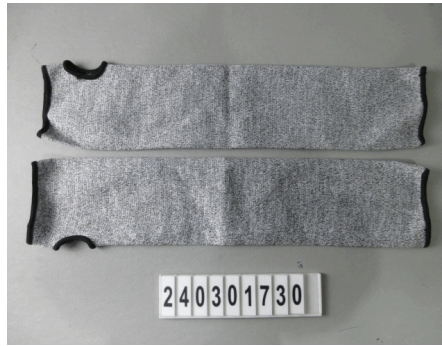
Report No.: S240301730_1

11 March 2024

APPLICANT: RAXWELL INDUSTRIAL TECHNOLOGY CO., LTD 瑞氮维尔工业科技有限公司 (C53204)

2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	SLEEVE	sleeve	
		sleeve	



240301730

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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



TEST REPORT

Report No.: S240301730_1

11 March 2024

APPLICANT: RAXWELL INDUSTRIAL TECHNOLOGY
CO., LTD 瑞氮维尔工业科技有限公司
(C53204)

3. SLEEVE/

sleeve

	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 1500 1700 1900 1500 2	
(+) 4.1. Cutting resistance TDM used consumables - blade Coefficient of variation Adjusted factor for blade with neoprene 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			20240035 % 2.3 0.92 mm 15.2 mm 15.7 mm 11.3 mm 31.4 mm 8.5 mm 16.4 N 47.0 Level F	

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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

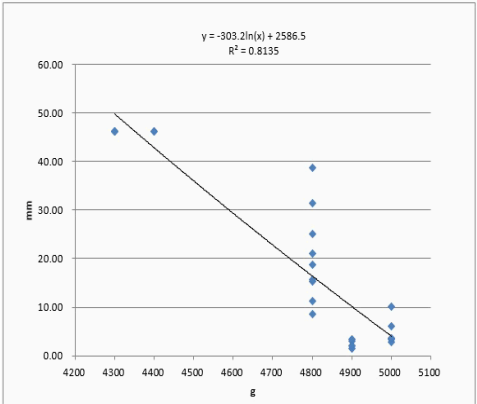


TEST REPORT

Report No.: S240301730_1

11 March 2024

APPLICANT: RAXWELL INDUSTRIAL TECHNOLOGY CO., LTD 瑞氮维尔工业科技有限公司 (C53204)

	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	91	
Puncture resistance (2)			N	104	
Puncture resistance (3)			N	85	
Puncture resistance (4)			N	103	
Performance level				2	

sleeve

	Method	Client Requirement	Unit	Result	Conformity
(+) 5.1.1. Cutting resistance TDM	ASTM F2992 /F2992M - 15				
Correction factor of the sharp edge of the blade with the neoprene				0.97	
Load for a distance of 20 mm cut			g	4800	
Performance level				Level A7	

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample (s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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



TEST REPORT

Report No.: S240301730_1

11 March 2024

APPLICANT: RAXWELL INDUSTRIAL TECHNOLOGY
CO., LTD 瑞氮维尔工业科技有限公司
(C53204)

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	---
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

**Classification Table for Cut Resistance
(ANSI-ISEA 105)**

Level	Weight (grams) 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

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

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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

