

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](mailto:ctcshanghai@ctcgroupe.com)

Report No.: S210100625\_1

28 January 2021

APPLICANT: SIMON CORPORATION (C41520)

3-3-1, NIHONBASHI KAYABA-CHO, CHUO-KU  
103-0025  
TOKYO  
JAPAN

lina\_lu@sqgove.com

Date of receipt : 25 Jan. 2021  
Testing period : 27 Jan. 2021  
: 28 Jan. 2021

**Buyer:** ---

Style / Article no. : CR-180  
Test(s) requested : ---  
Service : REGULAR  
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	<b>Level 4</b>
2	Cutting resistance TDM	<b>Level C</b>
3	Tear strength resistance: 2016	<b>Level 4</b>
4	Puncture resistance: 2016	<b>Level 1</b>

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	black(white) PPU(HPPE)(high performance polyethylene)/tekarmor) palm	



210100625-1



210100625-2

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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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### 3. GLOVE/

black(white) PPU(HPPE(high performance polyethylene)/tekarmor) 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 >8000 >8000 >8000 >8000 4	
(+) <b>4.1. Cutting resistance TDM</b> 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 Level Performance	EN ISO 13997:1999			Lot no.3843-58-2020 % 5.9 1.00 mm 10.4 mm 11.1 mm 26.7 mm 22.0 mm 12.9 mm 16.6 N 11.1 Level C	
(+) <b>4.1. Tear strength resistance: 2016</b> Tear strength Tear strength (2) Tear strength (3) Tear strength (4) Performance level	EN 388:2016 + A1:2018			N >75 N >75 N >75 N >75 4	
(+) <b>4.1. Puncture resistance: 2016</b> Puncture resistance	EN 388:2016 + A1:2018			N 62	

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	Method	Client Requirement	Unit	Result	Conformity
Puncture resistance (2)			N	61	
Puncture resistance (3)			N	57	
Puncture resistance (4)			N	51	
Performance level				1	

### 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
<b>Abrasion Resistance (EN 388)</b> Number of cycles (minimum)	<100	100	500	2000	8000	---
<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

Levels of performance for materials tested with EN ISO 13997

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

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