

TEST REPORT

Page 1/5

Report No.: S221006936_1

18 October 2022

APPLICANT: PROTECTIVE INDUSTRIAL PRODUCTS HONG KONG LTD. (C35026)

FLAT 1-11, 6/F,
KAR WAH IND BLDG,
8 LEUNG YIP STREET, YUEN LONG
. . HONGKONG
CHINA

Date of receipt : 13 Oct. 2022

Testing period : 17 Oct. 2022

: 17 Oct. 2022

jguo@pipchinaltd.com

Buyer: ---

Sample description: 18G seamless liner with nitrile fully coated, microsurface grip on palm.

Style / Article no. : 56-586R

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>
	ANSI-ISEA 105: 2016	
1	Puncture resistance (other than hypodermic needle)	Level 3

	<u>Tests description</u>	<u>Conformity</u>
	EN 388:2016+A1:2018	
2	Abrasion resistance: 2016	Level 4
3	Cutting resistance TDM	Level D
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

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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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Page 2/5

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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	grey nitrile(green high performance polyethylene/glass fiber/polyester/spandex) palm grey nitrile(green high performance polyethylene/glass fiber/polyester/spandex) palm	



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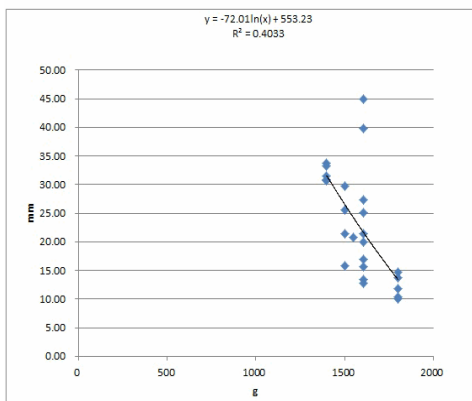
18 October 2022

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3. GLOVE/

grey nitrile(green high performance polyethylene/glass fiber/polyester/spandex) 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 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	ISO 13997:1999			202200251 % 4.3 1.01 mm 21.4 mm 16.9 mm 13.4 mm 20.0 mm 15.7 mm 17.5 N 16.1 Level D	



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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	76	
Puncture resistance (2)			N	81	
Puncture resistance (3)			N	80	
Puncture resistance (4)			N	81	
Performance level				2	

grey nitrile(green high performance polyethylene/glass fiber/polyester/spandex) palm

	Method	Client Requirement	Unit	Result	Conformity
(+) 5.1.2. Puncture resistance (other than hypodermic needle)	ANSI/ISEA 105: 2016				
Force recorded - Average			N	85	
Performance Level				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	---
Tear Resistance (EN 388) Force (N) (minimum)	<10	10	25	50	75	---
Puncture Resistance (EN 388) Force (N) (minimum)	<20	20	60	100	150	---

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Puncture resistance (other than hypodermic needle) (ANSI-ISEA 105) Puncture (Newtons)	<10	>=10	>=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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