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Report No.: S190303736_1

27 March 2019

MINHYEOK PARK / SSGD@SSGLOVES.COM

APPLICANT: SHIN-SUNG MAJOR GLOVE CORPORATION
(C02062)

30, SANDAN 4-GIL, SEO-MYEON,
SUNCHEON-SI, JEOLLANAM-DO
57927 SOUTH KOREA
SOUTH KOREA

Date of receipt : 25 Mar. 2019
Testing period : 25 Mar. 2019
: 26 Mar. 2019

Buyer: ---

Sample description: GREY MELANGE GLASS FIBER LINER GREY PU PALM COATED

Style / Article no. : TK-713B
Test(s) requested : ---
Service : EXPRESS
Brand / Section : ---
Season : ---
End use : ---
Factory name : ---
Factory code : ---

For CE Marking : Yes

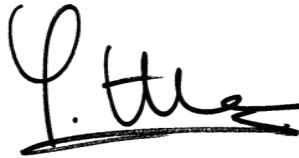
Previous report : ---
Product category : ---
Product type : ---
Test stage : FIRST TEST
Supplier name : ---
Exported to : ---

1. Conclusion:

	Tests description	Conformity
	ANSI-ISEA 105: 2016	
1	Cutting resistance TDM	Level A4

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

Approved by



Henry YAN
Laboratory Manager

Report No.: S190303736_1

27 March 2019

APPLICANT: SHIN-SUNG MAJOR GLOVE CORPORATION
(C02062)

2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	GLOVE	Palm	2.5 pairs of gloves



190303736

Report No.: S190303736_1

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(C02062)

3. GLOVE/

Palm : 2.5 pairs of gloves

	Method	Client Requirement	Unit	Result	Conformity
(+) 5.1.1. Cutting resistance TDM Correction factor of the sharp edge of the blade with the neoprene Load for a distance of 20 mm cut Performance level	ASTM F2992 /F2992M - 15		g	0.85 1840 Level A4	

END OF TEST REPORT

(+)CNAS accreditation

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

In application of the Directive ref. 89/686/EEC of the 21st of December 1989, concerning the alignment of member state legislation relating to personal protective equipment and the decrees n° 92-765, 766 and 768 of 29th of July 1992 concerning the transposition of this Directive into French law,

CTC

4, rue Hermann Frenkel - 69367 Cedex 07 - France
Tel +33 (0)4 72 76 10 10 - Fax +33 (0)4 72 76 10 00 - E-Mail : ctclyon@ctcgroupe.com - www.ctc.fr
Comité Professionnel de Développement Cuir Chaussure Maroquinerie - Loi 78-654 du 22.06.1978 - Siret 77554972600160 - Code NAF 9412Z - TVA FR 88775649726

authorized by decree of the Ministry of Work, Employment and Health of the 20th of December 2010,

registered under the number 0075, published in OJEC, delivers :

CE TYPE EXAMINATION CERTIFICATE 0075/768/162/05/12/0346
--

To the following model of personal protective equipment :

- * protective glove against mechanical risks.
- * reference of the model : TK-713B
- * responsible for placing on the market :

SHIN SUNG MAJOR GLOVE CORP.

1114-4, OBANG DONG, GIMHAE CITY, KYEONGSANGNAMDO

KOREA

Description of the protective glove, reference of technical rules verified in the context of the CE type examination and informations indicated on the product are detailed in the following pages of this certificate.

Drawn up in Lyon, on May 09th, 2012



4, rue Hermann Frenkel
69367 Lyon Cedex 07 - France

Tél. +33(0)4 72 76 10 10 - Fax +33(0)4 72 76 10 00
www.ctcgroupe.com

Issued by Lionel GAUDILLERE



NOTA : Any modification to new items of the personal protective equipment object of this CE type approval certificate or any modification of the information contained in the manufacturer technical file which served for the deliverance of the CE type approval certificate (change of adress, change of company status) should be brought to the attention of the notified body in accordance with law n° R. 4313-38 of the French Code of Work.

Shin Sung

1. DESCRIPTION OF THE PROTECTIVE GLOVE

According to the technical file index : 01

Reference : TK-713B

Basic Model

Dated : MAY, 2012

GRAY SPECKLED GRAY PU PALM COATED GLOVES

Available sizes :

6 7

9 10

Visual description :



Material :

	Colour	Material	Gauges	Thickness
PALM	GREY	PU		
	WHITE/GRAY	POLYETHYLENE 40%/GLASS FIBER 20%/POLYESTER 18%/SPANDEX 2%/POLYURETHANE 20%	13	
BACK	WHITE/GRAY	POLYETHYLENE 40%/GLASS FIBER 20%/POLYESTER 18%/SPANDEX 2%/POLYURETHANE 20%	13	
LINING				
CUFF	WHITE/GRAY	POLYETHYLENE 40%/GLASS FIBER 20%/POLYESTER 18%/SPANDEX 2%/POLYURETHANE 20%	13	
BINDING	Yellow, Green, Brown, Grey, White	NYLON		

2. PROTECTION SCOPE

Compliance with the essential requirements of the Directive 89/686/EEC has been verified by using following technical rules:

- * EN 420:2003+A1:2009 - General requirements for gloves and test methods
- * EN 388:2003 - Protective glove against mechanical risks
- * Directive 2002/61/CE : - This product fulfills the requirements given by the Directive.

References of test reports performed in order to verify the compliance with the requirements of the technical rules :

Laboratory	CTC Asia	CTC France	Other
EN 420	01058-09, 00683-12, 00937-09, 00938-09, 00939-09, 00940-09, 00941-09		
Azo	00937-09, 00938-09, 00939-09, 00940-09, 00941-09		
EN 388	04988-08		

Performance levels offered against mechanical risks (EN 388:2003) are:

Abrasion resistance	Blade cut resistance	Tear strength resistance	Puncture resistance
4	5	4	3

The levels of performance have been measured on the palm

3. MARKING

Each glove is clearly marked with the following information:

- * Logo of the authorized representative:
- * **CE** marking
- * reference of the model: TK-713B
- * size
- * pictogram for mechanical risks followed by the performance levels
- * information pictogram

Marking example:

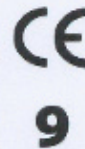
TEKORA[®]

TK-713B

EN388



4543





EU-TYPE EXAMINATION CERTIFICATE



The following model of Personal Protective Equipment has been subjected to an EU-type examination in accordance with the module B of the PPE regulation (2016/425) and has been shown to satisfy to essential health and safety requirements.

Certificate N° **0075/1635/162/11/21/1976**

Issued by CTC, Notified Body N°0075, to the following model of personal protective equipment :

Manufacturer : **GYC CO., LTD.**
60-21, SUNCHEON-RO, SEO-MYEON, SUNCHEON-SI, JEOLLANAM-DO 57906
SOUTH KOREA

Description

PPE Type : **protective glove against mechanical risks**
Product reference : **TK-713B**
Article code : **/**
Glove description : **Grey/White Glass Fiber HPPE(high performance polyethylene) Nylon Polyester Spandex Liner Grey PU Palm coated**

Available sizes : **5 6 7 8 9 10 11 12**

Pictures :



EN388
4x42D Size 9 LOT XXX
(MM/YYY) (MM/YYY)
60-21, Suncheon-ro, Seo-myeon
Suncheon-si, Jeollanam-do
South Korea 57906

Reference standard :

Levels of performance / class of protection

« X » indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.
« 0 » indicates that the glove falls below the minimum performance level for the individual hazard.

EN ISO 21420:2020

-

EN 388:2016 + A1:2018

4 X 4 2 D

At the date of the certificate, the product is in compliance with Annex XVII of REACH regulation (n° 1907/2006 and revisions)

Full description of the PPE, reference rules verified in the context of the EU-type examination and information given on the product are detailed in the manufacturer's technical file and the Instruction for Use index 02 dated from DECEMBER 2021

NOTA : Any modification to new items of the personal protective equipment object of this EU type approval certificate or any modification of the information contained in the manufacturer technical file which served for the deliverance of the EU type approval certificate (change of address, change of company status) should be brought to the attention of the notified body in accordance with Annex V §7.2 of Regulation 2016/425. Any marking on the PPE which is not concerned by the Regulation (UE) 2016/425, is not covered by this certificate.

Issued in Lyon by
Didier GUISSADO
Certification Manager



Date of first issue : 18 November 2021
End of validity date : 18 November 2026
Update 01 from : 10 December 2021



In application of the Regulation 2016/425 of the European parliament and the Council of 9th March 2016 related to Personal Protective Equipment and repealing the Directive 89/686/EEC.



Accreditation n° 5-0594
Scope available on:
www.cofrac.fr

www.ctcgroupe.com

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Comité Professionnel de Développement Économique (CPDE) Cuir Chaussure Maroquinerie Ganterie
Loi 78-654 du 22.06.1978 - Siret 77564972600160 - Code NAF 9412Z - TVA FR 88775649726

GYC CO., LTD.

**MANUFACTURER'S TECHNICAL FILE TO THE
PPE REGULATION 2016/425**

Reference of the product	:	TK-713B
Article code	:	/
Technical file index	:	02
Last update	:	DECEMBER 2021

IDENTIFICATION

Reference of the product :	:	TK-713B
Article code :	:	/
Basic Model		
Technical file index :	:	02
Last update :	:	DECEMBER 2021

Manufacturer :

GYC CO., LTD.

60-21, SUNCHEON-RO, SEO-MYEON, SUNCHEON-SI, JEOLLANAM-DO 57906
SOUTH KOREA

tel : +82-61-724-9393

fax : +82-61-724-9391

Factory :

SHINSUNG MAJOR GLOVE CORP.

30, SANDAN 4-GIL, SEO-MYEON, SUNCHEON-SI, JEOLLANAM-DO 57927
SOUTH KOREA

tel: +82-61-752-1027

fax:

GLOVE DESCRIPTION

General glove description and intended use:

Grey/White Glass Fiber HPPE(high performance polyethylene) Nylon Polyester Spandex Liner Grey PU Palm coated

This glove is designed against mechanical risks.

Type of coating finish : smooth

Visual description (picture back and palm sides) :



Risk assessment (Essential Health and Safety Requirement. Annex II - PPE Regulation)

		Applicable	Covered by
§1	Requirements defined in the Annex II §1 are applicable to all PPE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§1.4	Manufacturer's instructions and information is available	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.4	If it is known that the design performance of new PPE may be significantly affected by ageing, the month and year of manufacture and/or, if possible, the month and year of obsolescence must be indelibly and unambiguously marked on each item of PPE placed on the market and on its packaging.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§2.5	PPE which may be caught up during use	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.12	PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§3.3	The PPE is intended to protect against mechanical injuries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking

Glove constitution :

	Reference	Color	Material	Surfacic mass (g/m ²)	Gauges	Thickness
Palm		Grey	Polyurethane			0.1mm
		Grey/White	Glass Fiber, HPPE(high performance polyethylene), Nylon, Polyester, Spandex	400g/m ²	13	
Back		Grey/White	Glass Fiber, HPPE(high performance polyethylene), Nylon, Polyester, Spandex	400g/m ²	13	
Cuff		Grey/White/White, Grey/White/Green, Grey/White/Brown, Grey/White/Yellow, Grey/White/Grey, Grey/White/Blue, Grey/White/Red, Grey/White/Black	Glass Fiber, HPPE(high performance polyethylene), Nylon, Polyester, Spandex, Elastic	600g/m ²	13	
Binding		White, Green, Brown, Yellow, Grey, Blue, Red, Black	Polypropylene			

PROTECTION SCOPE

This glove meets the essential requirements of the Personal Protective Equipment Regulation 2016/425.
This glove is designed against mechanical risks.
It is a category II product.

GENERAL REQUIREMENTS

Standard EN ISO 21420 : 2020

Dexterity : LEVEL 5

Available size range: 5 - 12

A different hand sizing system from the one defined in EN ISO 21420 Annex B table B.1 is used:

Hand size	Hand circumference (mm)	Hand length (mm)
5	137	148
6	152	160
7	178	171
8	203	182
9	229	193
10	254	204
11	280	226
12	305	226

SPECIFIC REQUIREMENTS AND PERFORMANCE LEVELS

« X » indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.

« 0 » indicates that the glove falls below the minimum performance level for the individual hazard.

Mechanical hazard EN 388 : 2016 + A1 : 2018

Protection offered	Performance levels
Abrasion resistance	4
Blade cut resistance	X
Tear strength resistance	4
Puncture resistance	2
Cut Resistance method (EN ISO 13997)	D
Impact Protection	-

The levels of performance have been measured on the palm.

TEST REPORTS

Laboratory	CTC	Other
EN ISO 21420 + innocuousness	S210402839_2, S190201185_1, S200706885_2, S200706887_1, S190404934_1	
EN 388	S210402839_2, S190100267_1, S190302755_1	

MARKING - PACKAGING

Information printed on the glove :

Logo of Manufacturer :

Logo

Glove's reference : TK-713B

Article Code : /

Size indicator

Pictograms related to risks against which protection is offered with performance levels

Information pictogram

Address of Manufacturer :

Date of Manufacture (month/year) and/or serial/batch number :

Date of obsolescence (month/year) if applicable:

Marking example :



Method of marking on the glove :

Heat Transfer Logo on back

Packaging suitable for transport:

12 Pairs per Polybag, 144 Pairs per Carton

PPE subject to ageing :

Peremption period : 5 Years when stored in appropriate conditions (humidity, temperature, clean , ventilated, light). Before use, the glove shall be visually controlled, in case of deterioration the gloves must be scrapped (abrasion, cut, tear, ...).

Cleaning instructions:

The gloves are not washable.

MEANS OF CONTROL

According to ISO 9001

Our products are produced by full automatic lines, so the quality of the products is stably.

We have professional quality inspectors, those inspectors are full of experience about the products, they check the quality every one hour every day, so we can keep the quality always as usual.100% inspection of entering materials, 100% inspection of sewn gloves during ironing, 100% inspection of finished products during packing, then we send them to test EN388 in CTC each year



INSTRUCTION FOR USE

GYC CO., LTD.

60-21, SUNCHEON-RO, SEO-MYEON, SUNCHEON-SI, JEOLLANAM-DO 57906
SOUTH KOREA

Glove reference : TK-713B

Article code: /

User notice index : 02

Last update : DECEMBER 2021



Glove description :

Grey/White Glass Fiber HPPE(high performance polyethylene) Nylon Polyester Spandex Liner Grey PU Palm coated

This glove is a personal protective equipment belonging to the category II.

It meets the requirements of the PPE Regulation 2016/425 : innocuousness, comfort, solidity.

It has been subject to a UE-type Examination performed by :

C.T.C. (0075)
4, rue Hermann Frenkel
69367 LYON Cedex 07
FRANCE

Applicable standards :

The glove meets the requirements of the standard EN ISO 21420:2020 « Protective Gloves - General requirements and test methods ».

Dexterity: LEVEL 5

Available size range: 5 - 12

A different hand sizing system from the one defined in EN ISO 21420 Annex B is used:

Hand size	Hand circumference (mm)	Hand length (mm)
5	137	148
6	152	160
7	178	171
8	203	182
9	229	193
10	254	204
11	280	226
12	305	226

Moreover, this glove has been designed for the following applications :

« X » indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.

« 0 » indicates that the glove falls below the minimum performance level for the individual hazard.

Application :

Mechanical hazard - EN 388:2016 +
A1:2018



4 X 4 2 D

Levels of performance

Abrasion resistance	4	(on 4 maxi)
Blade cut resistance	X	(on 5 maxi)
Tear resistance	4	(on 4 maxi)
Puncture resistance	2	(on 4 maxi)
Cut Resistance method (EN ISO 13997)	D	(A to F)
Impact Protection		



Read carefully the instructions for use provided with the product

Protection limit :

Users should be warned that gloves should not be worn when there is a risk of entanglement by moving parts of machines.

This model does not contain any substances at levels that are known to, or suspected to, adversely affect user hygiene or health.

The protection against risks or hazards which are not mentioned in this document is not warranted.

These levels of performance are obtained from the tests done according to conditions defined by the applicable standards.

The levels of performance mentioned are only valid for new gloves, not washed, nor regenerated.

Before use, the glove shall be visually inspected for any defect or imperfections. In case of deterioration, the gloves must be scrapped (abrasion, cut, tear, ...).

No flame protection is claimed. This glove shall not be in contact with naked flame.

For gloves with two or more layers the overall classification does not necessarily reflect the performance of the outermost layer.

The levels of performance against mechanical risks are only valid for the palm of the glove.

Storage and cleaning notice

Keep in its original packaging, under ordinary temperature and humidity conditions and in clean, covered and ventilated premises.

The gloves are not washable.

PPE subject to ageing :

Peremption period : 5 Years when stored in appropriate conditions (humidity, temperature, clean, ventilated, light). Before use, the glove shall be visually controlled, in case of deterioration the gloves must be scrapped (abrasion, cut, tear, ...).

Declaration of conformity :

Available with product.



RM 1801-02, 1808 & RM 2010,
TOWER B, REGENT CENTRE,
63 WO YI HOP ROAD, KWAI CHUNG,
NEW TERRITORIES, HONG KONG
TEL: (852) 2429 7022 FAX: (852) 2429 7266
ctcasia@ctcgroupe.com

TEST REPORT

Report No.: 03895-12



July 9, 2012

Page 1/3

APPLICANT:

Test(s) requested : EN 388 TESTS Product Category : -- Product Type : --

Sample description: HPPE*glass fiber*polyamide*spandex blend shell with grey PU coating

Style / Article no.	: TK-713B	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: June 25, 2012
		Date of receipt of sample	: June 25, 2012
Supplier	: --	Testing period	: June 25, 2012– July 09, 2012
Number of sample(s)	: 6 PAIRS OF GLOVES	Service required	: REGULAR

1. Conclusion:

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
Abrasion resistance of glove	Level 4	(S01)	---
Blade cut resistance of glove	Level 5	(S02)	---
Tear resistance of glove	Level 4	(S01)	---
Puncture resistance of glove	Level 3	(S01)	---

The abrasion and tear resistances both got level 4; the blade cut resistance got level 5 and the puncture resistance both got level 3 according to EN 388 standard.

Approved by

Original signed

John Cheung Fai Cheong
Assistant Laboratory Supervisor

The report is issued by CTC Asia Ltd. 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 Asia Ltd. for more than 1 month. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory. Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation.

TEST REPORT

Report No.: 03895-12

July 9, 2012

Page 2/3

APPLICANT:
GYC COPORATION

2. Label(s) on the sample(s):

Sample(s)	ID	Size	Style/Art. No.	Sub-sample(s)	Component(s)	Colour
(01)	i	--	TK-713B	(a)	Glove	Grey/White/Brown
(01)	ii	--	TK-713B	(a)	Glove	Grey/White/Brown
(01)	iii	--	TK-713B	(a)	Glove	Grey/White/Brown
(01)	iv	--	TK-713B	(a)	Glove	Grey/White/Brown
(01)	v	--	TK-713B	(a)	Glove	Grey/White/Brown
(01)	vi	--	TK-713B	(a)	Glove	Grey/White/Brown

Remarks: (1) ID is used for identification in which the numbers of sample received are of the same article, ref. no., colour, etc.

3. Sample(s) description assigned by laboratory:

Test item	Sample(s)	Combine / Separate sub-sample(s)
(S01)	(01)-i+ii	(a)
(S02)	(01)-iii	(a)



TEST REPORT

Report No.: 03895-12

July 9, 2012

Page 3/3

APPLICANT:
GYC COPORATION

4. Test Results :

TEST METHOD		Test item(s) (S01)	Requirement	P/F
1	Abrasion resistance of glove # (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	>8,000 4	--- ---	--- ---
2	Tear resistance of glove # (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	>200 4	--- ---	--- ---
3	Puncture resistance of glove # (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	100 3	--- ---	--- ---

TEST METHOD		Test item(s) (S02)		Requirement	P/F	
4	Blade cut resistance of glove # (NF EN 388:2004 §6.2) Sequence	Index (I)		---	---	
		Test 1	Test 2			
		1	49.3			47.9
		2	52.8			26.4
		3	22.0			62.7
		4	---			---
		5	---			---
Average (I):		41.4	45.7	---	---	
Lowest average value (I) :		41.4		---	---	
Performance Level :		5		---	---	

Table of Performance Level for Glove

Test Item	Performance Level					
	0 ^{##}	1	2	3	4	5
Abrasion Resistance (NF EN 388:2004 §6.1) Number of cycles (minimum)	< 100	100	500	2000	8000	---
Blade Cut Resistance (NF EN 388:2004 §6.2) Index (I) (minimum)	< 1.2	1.2	2.5	5.0	10.0	20.0
Tear Resistance (NF EN 388:2004 §6.3) Force (N) (minimum)	< 10	10	25	50	75	---
Puncture Resistance (NF EN 388:2004 §6.4) 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.

- End of report -