



# 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° 0075/1599/162/08/19/2473**

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

**Manufacturer :**

## Description

**PPE Type :** *protective glove against mechanical risks, cold risks*

**Product reference :** 01-416

**Article code :** /

**Glove description :** 13g Graphene liner + 7g acrylic inner liner, nitrile microfoam 3/4 coated glove.

**Available sizes :** 7 8 9 10 11

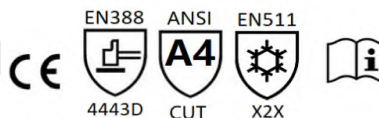
**Pictures :**



**KYORENE®**  
THE GRAPHENE FIBER

**KYORENE®**  
THE GRAPHENE FIBER

01-416



No.118, JIALINGJIANG ROAD,  
NEW INDUSTRIAL ZONE,  
RUDONG,JIANGSU,CHINA

**Reference standard :**

**Levels of performance / class of protection**

**EN 420:2003+A1:2009**

-

**EN 388:2016**

**4 4 4 3 D**

« 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.

**EN 511 : 2006**

**X 2 X**

At the date of certificate the product is in compliance with Annex XVII of RECh 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 01 dated from AUGUST 2019

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.

**Issued in Lyon by**  
Didier GUISADO  
Certification and Quality Manager

**Date of first issue :** 21 August 2019  
**End of validity date :** 21 August 2024



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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.

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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



Original CTC

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

<b>Reference of the product</b>	<b>:</b>	<b>01-416</b>
<b>Article code</b>	<b>:</b>	<b>/</b>
<b>Technical file index</b>	<b>:</b>	<b>01</b>
<b>Last update</b>	<b>:</b>	<b>AUGUST 2019</b>

## IDENTIFICATION

Reference of the product :	:	01-416
Article code :	:	/
Basic Model		
Technical file index :	:	01
Last update :	:	AUGUST 2019

**Manufacturer :**

**Factory :**

## GLOVE DESCRIPTION

### General glove description :

13g Graphene liner + 7g acrylic inner liner, nitrile microfoam 3/4 coated glove.  
type of coating finish : foam

### Visual description (picture back and palm sides) :



### Field of use

Protective gloves against mechanical risk, used in glass industry; Protective gloves against mechanical risk for automotive industry; Aerospace, construction, logistics, packaging, plastic injection molding, Handling cold parts

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
§2.5	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
§2.14	Multi-risk PPE	<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
§3.7	Protection against cold	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking

### Available sizes :

Minimum length of glove (mm)	Sizes
230	7
240	8
250	9
260	10
270	11

## **Glove constitution :**

	Reference	Color	Material	Surfacic mass	Gauges	Thickness
Palm		Black	Nitrile			0.85-1.5MM
		Grey	Graphene	240g/m2	13	
Back	3/4 coating	Black	Nitrile			0.85-1.5MM
		Grey	Graphene	240g/m2	13	
Lining	palm+back lining	White	Arcylic	158g/m2	7	
	cuff lining	White	Arcylic/Elastic	200g/m2	7	
Cuff		Grey/White	Graphene/Elastic	280g/m2	13	
Binding		White, red, yellow, brown, blue, purple, grey, orange black, green	Polyester			

## **PROTECTION SCOPE**

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

## **GENERAL REQUIREMENTS**

### **Standard EN 420 : 2003 + A1 : 2009**

Dexterity : 5

Size : conform

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

## **SPECIFIC REQUIREMENTS AND PERFORMANCE LEVELS**

### **Mechanical hazard EN 388 : 2016**

<b>Protection offered</b>	<b>Performance levels</b>
Abrasion resistance	4
Blade cut resistance	4
Tear strength resistance	4
Puncture resistance	3
Cut Resistance method (EN ISO 13997)	D
Impact Protection	-

The levels of performance have been measured on the palm

« 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.

## Cold hazard EN 511 : 2006

	Minimum performance level require	Performance obtained
Abrasion resistance	2	4
Tear strength	2	4
Flexibility behaviour for coated materials	no crack	conform
Extreme cold flexibility for glove resistant to -30°C	no crack	not conform
Convective cold	—	X
Contact cold	—	2
Water penetration	0 or 1	X


## TEST REPORTS

Laboratory	CTC	Other
EN 420 + innocuousness	S180607423_3 S190708593_1 S171114558_1 S170810908_1 S171114555_1 S171216550_1 H170903808_1 S171114552_1 S171114553_1 S171114554_1 S171114557_1 S171217274_1 S181216899_1 (DMFu)	
EN 388	S180607419_1 S180607420_1 S180607421_1 S180607422_1 S180708581_1	
EN 511	S180607418_1(Flexibility behavior,Contact cold)	
Other	S190303650_1(ANSI CUT)	

## MARKING - PACKAGING

### Information printed on the glove :

Logo of Manufacturer :

Logo 

Glove's reference : 01-416

Article Code : /

Size indicator

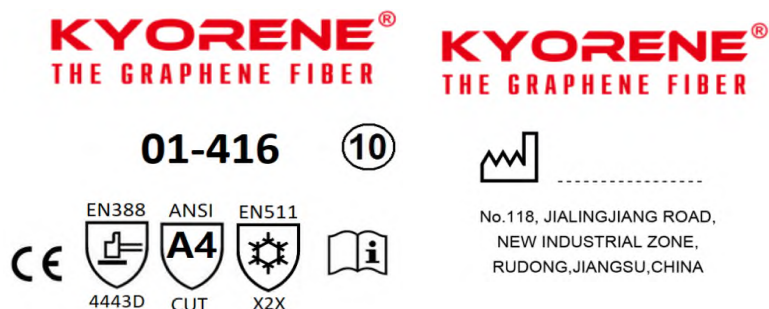
Pictograms related to risks against which protection is offered with performance levels

Information pictogram

Address of Manufacturer :

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

### Marking example :



**Method of marking on the glove :**

SCREEN PRINT AND SEWN LABEL

**Packaging :**

ONE DOZEN PER BIG POLYBAG, 12 DOZEN PER CARTON

**PPE subject to ageing :**

The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).

**Declaration of conformity :**

**MEANS OF CONTROL**

We make all inspection based on the acceptance sampling. Materials Conduct inspection on all incoming raw materials and accessory materials. Conduct size checking on all component parts. Conduct visual inspection on defective parts. Checking missing parts before sending to sewers. Inspected for defects, gauged for proper thickness. Quality checking on sewing in areas of appearance, sizing(based on the EN420 sizing standard), weight,labelling, stitches, seaming and component positioning. After coating we will make the sizing, weight,smell,PH,chemic test and cutting ,abrasion test (based on EN388 standard) every one year. Finished Products perform random checking(acceptance sampling) before shipment. Quality control is performed under ISO 9001.

**DAS CERTIFICATION**



**Quality Management System  
Certificate of Approval**  
This is to certify that the QMS of

No.118, Jialingjiang Road, Rudong Economic Development Zone, Jiangsu Province, P.R.China

Has been assessed and found to meet the requirements of  
**GB/T 19001-2016/ISO 9001:2015**  
This certificate is valid for the following scope of operations:

Manufacture and Service of Special Fiber Gloves, Nylon Gloves, Yarn Gloves, Dipping Glue  
Gloves, Leather Gloves for Safety Protection Using

Date of Certificate Issue: 21, July, 2017  
Certificate Valid Until: 20, July, 2020  
Certificate Number: **Q041707115**

The validity of the registration will be continued only when the organisation pass the annual surveillance audit.  
Check the validity of certificate at [www.cnca.gov.cn](http://www.cnca.gov.cn) or [www.das-china.com](http://www.das-china.com)  
Surveillance Audits:

Authorized by:  Chief Executive



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Add:505, Tower 2, Guosun Center, No. 388, Zhongjiang Road, Shanghai, P.R.China, 200062  
Tel: 0086-21-62773910 Fax:0086-21-62080319  
Web: <http://www.das-china.com>  
Email: [info@das-china.com](mailto:info@das-china.com)  
UK Head Office: DAS Certification Limited (On Behalf of SN Registrars (Holdings) Limited)  
ADD: Registration House, 22b Church Street, Rushden,  
Northamptonshire, NN10 9YF, UK  
Tel: +44(0)1933 381859  
Email: [info@dascertification.co.uk](mailto:info@dascertification.co.uk)  
Web: [www.dascertification.co.uk](http://www.dascertification.co.uk)  
Company Number : 07659067





**INSTRUCTION FOR USE**

Glove reference : 01-416  
 Article code: /  
 User notice index : 01  
 Last Update : AUGUST 2019  
 Available sizes : 7 8 9 10 11



**Glove description :**

13g Graphene liner + 7g acrylic inner liner, nitrile microfoam 3/4 coated glove.

THIS GLOVE IS A PERSONAL PROTECTIVE EQUIPMENT BELONGING TO THE CATEGORY II.

It meets the requirements of the PPE Regulation 2016/425 applicable from April 21th, 2018 : 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 420 : 2003 + A1 : 2009 « General requirements for work glove ». Dexterity : 5

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

Application :

Mechanical hazard - EN 388 : 2016



4 4 4 3 D

Levels of performance

Abrasion resistance	4	(on 4 maxi)
Blade cut resistance	4	(on 5 maxi)
Tear resistance	4	(on 4 maxi)
Puncture resistance	3	(on 4 maxi)
Cut Resistance method (EN ISO 13997)	D	(A to F)
Impact 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.

Application :

Cold risk - EN 511 : 2006



X2X

Levels of performance

Convective cold	X	(on 4 maxi)
Contact cold	2	(on 4 maxi)
Water penetration	X	



### **Protection limit :**

*This glove provides a protection for limited time with contact of cold products.*

*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.*

*The levels of performance mentioned are only valid for the palm of the glove .*

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

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

*This glove shall not be in contact with fire*

*Before use, the glove shall be visually controlled, in case of deterioration the gloves must be scrapped (abrasion, cut, tear, ...).*

*For gloves with different layers of material, the performance levels are warranted only for the whole glove.*

*The performance levels can be reduced due to a level X of water penetration.*

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

*For dulling during the cut resistance test, the coupe test results are only indicative while the TDM cut resistance test is the reference performance result.*

### **Storage and cleaning notice**

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

### **PPE subject to ageing :**

*The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).*

### **Declaration of conformity :**

*Available on : [www.qsglove.com](http://www.qsglove.com)*