

GUANTE JUBA - 311BGC1

Water-repellent cow grain leather glove reinforced on palm, thumb, between thumb and index finger.



CHARACTERISTICS

- Extra quality leather.
- Inner membrane that provides total impermeability.
- Better insulation without losing breathability.
- Protection against dust particles, chemical substances and greater thermal resistance.
- Pre-curved pattern to increase user comfort.
- Reinforcement between thumb and forefinger, area of greatest wear.
- 100% para-aramid fiber (Kevlar) elastic lining and cuff with vein covers for added

WORKING GLOVES SUITABLE FOR:

- Firefighters.
- Release works.
- Forestry.



protection.

- Entirely sewn with 100% Kevlar® thread.
- Carabiner to hang the gloves.
- Resistance to contact heat (250°C for 15 seconds), excellent behavior to flame and convective heat.
- Complies with EN659: 2003 + A1: 2008 + AC: 2009 Protective gloves for firefighters.
- Neutral individual bag.





MORE INFO

Materials	Colour	Length	Sizes	Packaging
Leather	Black / Yellow	S - 27 cm M - 28 cm L - 29 cm XL - 29,5 cm XXL - 31,5 cm XXXL - 32,5 cm XXXL - 33,5 cm	7/S 8/M 9/L 10/XL 11/XXL 12/3XL 13/4XL	5 pairs/package 50 pairs/box

NORMATIVAS



A - Flame behaviour

The material should comply with the requirements in the table. In addition, the material should not drip or melt. The seams should not open up after 15 seconds ignition time.

Service provision level	Post-inflammation time	Post-incandescence time	B - Heat per contact:
1	≤ 20	No requirement	The material should co
2	≤ 10	≤ 120	
3	≤ 3	≤ 25	Service provision
4	≤2	≤ 5	level

Heat transfer index t3

omply with:

Service provision level	Contact temperature(Threshold time (s)	0
1	100	≥ 15	
2	250	≥ 15	
3	350	≥ 15	
4	500	≥ 15	

Convective heat

The material should comply with:

Service provision level

	Service provision level	Hti heat transfer index
	·	
1		≥ 4
2		≥7
3		≥ 10
4		≥ 18

 ≥ 7

D - Radiating heat

The material should comply with:

E - Small splashes

The number of droplets necessary to produce a 40°C rise in temperature should meet requirements in the table:

F - Large splashes

The PVC film that simulates the skin will not be smoothed or its surface roughness changed in any other way, with any of the quantities of iron used:



2		≥ 20
3	Service provision level	≥ 50 Heat transfer index t
4		≥ 95
	Service provision level	Number of droplets
1		≥ 10
2		≥ 15
3		≥ 25
4		≥ 35
	Service provision level	Molten iron (g)
1		30
2		60
3		120
4		200

EN388:2016

EN388:2016 Protective gloves against mechanical risks. The EN388: 2003 standard is renamed EN388: 2016, the year of its

revision. The reason for the modification is given by the discrepancies in the results between laboratories in the knife cut test, COUP TEST. Materials with high levels of cut produce a dulling effect on the circular blades, which undermines the result.

The new regulation was published in November 2016 and the previous one is from the year 2003. During these 13 years, there has been a great innovation in the materials for the manufacture of cutting gloves, they have forced to introduce changes in the tests to be able to measure with more rigorous levels of protection. If you want to know more about the main changes in these regulations, you can consult it through our website www.jubappe.es



- A Abrasion resistance (X, 0, 1, 2, 3, 4)
- B Blade Cut Resistance (X, 0, 1, 2, 3, 4, 5) C Tear resistance (X, 0, 1, 2, 3, 4) D Puncture resistance (X, 0, 1, 2, 3, 4)
- E Cutting by sharp objects ISO 13997 (A, B, C, D, E, F)
- F Impact test complies / does not comply (It is optional. If it complies, put

. P)

F

En388:2016 performance levels	1	2	3	4	5
6.1 abrasion resistance (cycles)	100	500	2000	8000	-
6.2 blade cut resistance (index)	1,2	2,5	5	10	20
6.4 tear resistance (newtons)	10	25	50	75	-
6.5 puncture resistance (newtons)	20	60	100	150	-

Eniso13997:1999 performance levels	Α	в	С	D	Е	F
3.3 tdm: cut resistance (newtons)	2	5	10	15	22	30



Minimum levels are required for standards EN388 and EN407 and minimum lengths.

Minimum length				
Size	Minimum length			
6	260 mm			
7	270 mm			
8	280 mm			

Distributed by:





)	290 nMinimum length
0	305 mm
1	315 mm

Minimum requirements

brasion	Minimum 2000 avalas (laval 2)	Complies
esistance	Minimum 2000 cycles (level 3)	Complies
Cut resistance	Minimum 2.5 (level 2)	Complies
ear esistance	Minimum 50 n (level 3)	Complies
Puncture esistance	Minimum 100 n (level 3)	Complies
lame esistance	T post-combustion $\leq 2s$ T post-glow $\leq 5s$ (Level 4) The material does not leak The seams do not open	Complies
Convective leat resistance	$Hti_{24} \ge 13 \text{ s} \text{ (level 3)}$	Complies
Radiant heat esistance	Heat irradiation time > 22 s	Complies
Contact heat esistance	At 250º c ≥ 10 s	Complies
ining material leat resistance	At minimum 180ºc: does not melt - does not drip or burn	Complies
Shrinkage due o heat	At 180⁰c < 5%	Complies
Dexterity	Minimum level 1 (11 mm rod)	Complies
Resistance to reakage of eams	>- 350 n	Complies
àlove removal me	< 3 s	Complies
Vater enetration esistance optional)	Levels 1 to 4 depending on the time it takes for the water to pass through the glove	Complies
Chemical enetration esistance (h2so4) = 0% sulfuric cid (naoh) = 40% odium ydroxide (hcl) = 36% ydrochloric cid beatage	does not penetrate does not penetrate does not penetrate does not penetrate	Complies
noplane		

Distributed by:





Ratified by the Spanish Standardisation Association in June 2020.

Main changes:

2

6

- Extension of the scope of the standard to domestic use: oven mitts/gloves.
- Gloves that reach a level 3 or 4 of any thermal property must reach at least a level 3 in flame propagation. Otherwise, the maximum level that may be reached in the relevant thermal Propagation limited to flame: prohibition of hole formation.

Minimum length of the tested gloves for e or f Size Length 5 290 6 300 7 310 8 320 330 9 10 340 11 350 12 360 13 370

A - Flame Behaviour

Changes in method and table. To perform the test, the ignition time now goes from 15 to 10" and the post-ignition time for level 1 goes from 20 to 15".



Reduction of maximum post-combustion time for level 1. Change in ignition timing.

· Heat by contact. Obligation to test any material coming in contact with heat.

- .
- Tear resistance. This trial is included. Convective heat. The test is performed without reinforcement. .
- New pictogram, for gloves without flame protection.
- . A minimum length is introduced when resistance against small
- molten metal splashes is present.

 After heat resistance tests, the samples must not suffer signs of melting or holes.

в-	Heat	by	со	nta	ct
-					

Changes in the test method. In EN407:2004 only the palm is tested, whereas with EN407:2020 any other point that may come into contact is tested.

Contact temperatureThreshold time (S)

C - Convective heat

Changes in the test method. From EN373 to ENISO9185:2007

Level of preformance	Post-inflammation time	Post ignition time
1	≤ 15	Not required
2	≤ 10	≤ 120
3	≤ 3	≤ 25
4	≤2	≤ 5

Level of performance Contact temperature Threshold time (s

≥ 15

≥ 15

≥ 15

≥ 15

100

250

350

500

1 2

3

4

D - Radiant h	eat							
There are no r	nodifications.	Internal layers	must not	show	signs	of	melting	or
show holes.								

E - Small splashes

There are no modifications. Internal and external layers may not be melted or pierced.

Level of perform	ance Hti heat transfer rate	
1	≥ 4	
2	≥7	
3	≥ 10	
4	≥ 18	

	Level of performance	Heat transfer rate t3
1		≥ 7
2		≥ 20
3		≥ 50
4		≥ 95

Level of performance	Number of drops
	≥ 5
	≥ 15
	≥ 25
	≥ 35
	Level of performance

	Level of performance	Cast iron (g)
1		30
2		60
3		120
4		300

F - Large splashes Changes in the test method.

Distributed by:

