NITRILE GLOVES JUBA - 4424RF

K-ROCK® fiber with nitrile foam coating on palm and extra reinforcement between index finger and thumb.

NORMATIVE

CE CAT.II

EN 388:2016+A1:2018
4X44F

EN 407:2020
X1XXXX

CUT F

WORKING GLOVES SUITABLE FOR:

- Handling of metal parts with sharp edges, dry or slightly oiled.
- Manufacture of metal containers.
- Automotive industry.
- Glass industry.
- Handling of metal sheets.
- Handling of oiled parts.
- Plastic injection molding.
- Work with metal profiles.

CHARACTERISTICS

- Seamless K-ROCK® glove in gauge 13 giving excellent dexterity, flexibility and comfort.
- Reinforcement between thumb and index finger that provides greater resistance to wear and tear.
- Good grip in dry, humid and oil environments.
- Excellent durability, high levels of mechanical performance.
- Resistant to contact heat (100ºC for 15").
- Maximum level of cut protection (F).

MATERIALS	COLOUR	THICKNESS	LENGTH	SIZES	PACKAGING
Nitrile	Mottled / Grey	Gauge 13	XS - 22 cm S - 23 cm M - 24 cm L - 25 cm XL - 26 cm XXL - 27 cm	6/XS 7/S 8/M 9/L 10/XL 11/XXL	12 pairs/package 120 pairs/box

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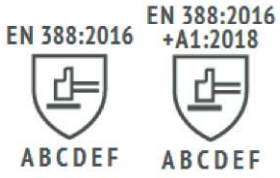
NORMATIVES

EN 388:2016+A1:2018

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.



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)

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	A	B	C	D	E	F
6.3 tdm: cut resistance (newtons)	2	5	10	15	22	30

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EN 407:2020

Pictogram for gloves where no flame behaviour is tested

Pictogram for gloves where it has been tested

Ratified by the Spanish Standardisation Association in June 2020.

Main changes:

- 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 property shall be level 2.
- Propagation limited to flame: prohibition of hole formation. 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.**

Minimum length of the tested gloves for e or f

Size	Length
5	290
6	300
7	310
8	320
9	330
10	340
11	350
12	360
13	370

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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".

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

B - Heat by contact
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 temperature
- Threshold time (S)

Level of performance	Contact temperature	Threshold time (s
1	100	≥ 15
2	250	≥ 15
3	350	≥ 15
4	500	≥ 15

C - Convective heat
Changes in the test method. From EN373 to ENISO9185:2007

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

D - Radiant heat
There are no modifications. Internal layers must not show signs of melting or show holes.

Level of performance	Heat transfer rate t_3
1	≥ 7
2	≥ 20
3	≥ 50
4	≥ 95

E - Small splashes
There are no modifications. Internal and external layers may not be melted or pierced.

Level of performance	Number of drops
1	≥ 5
2	≥ 15
3	≥ 25
4	≥ 35

F - Large splashes
Changes in the test method.

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

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