

KYO-300



1409 g 4442C X1XXXX

Cut resistance



PERFORMANCE LEVELS

EN388 : 4442C

ABRASION	0	1	2	3	4	
CUT	0	1	2	3	4	5
TEAR	0	1	2	3	4	
PUNCTURE	0	1	2	3	4	
CUT TDM TEST NEW EN388	A	B	C	D	E	F
IMPACT	X				P	

ANSI CUT : A3

Number of grams : 1409

A1	Light (200 – 499 g)
A2	Light to medium (500 – 999 g)
A3	Light to medium (1000 – 1499 g)
A4	Medium (1500 – 2199 g)
A5	Medium to heavy (2200 – 2999 g)
A6	High (3000 – 3999 g)
A7	High (4000 – 4999 g)
A8	High (5000 – 5999 g)
A9	High (6000 + g)

TECHNICAL CHARACTERISTICS

KYORENE liner | Gauge 13
HCT Micro-foam KYORENE nitrile coated palm and fingers
Thumb crotch reinforcement
Elastic cuff

SIZES : 7. 8. 9. 10. 11. 12

PACKAGING : Dozen | 72 pairs / box

BENEFITS

- Cut resistance ANSI A3
- Cut resistance EN388 Level 4
- Excellent Abrasion resistance 4/4, ANSI 3
- Excellent dexterity
- Antibacterial
- Deodorant
- Contact heat and light cold resistant
- Protection UV
- Keeps properties under the light

APPLICATIONS

- Handling sharp-edged objects
- Aerospace
- Automotive manufacturing
- Construction
- Metal fabrication
- Plastic injection molding
- Fisheries
- Pulp and paper



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STANDARD EN 407

Gloves giving protection from thermal hazards

a b c d e f

The pictogram gives the evaluation of 6 protections against thermal risks. Every protection is estimated by a rating from 1 to 4, 4 being the best resistance rating.

a Resistance to flammability

The gas flame is kept against the material of the glove. Resistance to flammability is determined according to duration before the material begins to burn.

Level 1 ≤20 sec. **Level 2** ≤10 sec. **Level 3** ≤3 sec. **Level 4** ≤2 sec.

b Resistance to contact heat

The glove's material is exposed to temperatures between 100 °C and 500 °C.

15 seconds is the minimum accepted length of time for approval.

Level 1 Manipulation of a part at 100 °C

Level 2 Manipulation of a part at 250 °C

Level 3 Manipulation of a part at 350 °C

Level 4 Manipulation of a part at 500 °C

c Resistance to convective heat

Based on the time during which the glove can delay the transfer of the heat of a flame.

A performance level will be only mentioned if a level 3 or 4 was obtained during the flammability test.

Level 1 ≤4 sec. **Level 2** ≤7 sec. **Level 3** ≤10 sec. **Level 4** ≤18 sec.

d Resistance to radiant heat

Based at the time during which the glove can delay the transfer of heat during an exposure to a radiant source of heat.

A performance level will be only mentioned if a level 3 or 4 was obtained during the flammability test.

Level 1 ≤5 sec. **Level 2** ≤30 sec. **Level 3** ≤90 sec. **Level 4** ≤150 sec.

e Resistance to small splashes of molten metal

Corresponds to the quantity of molten metal required to raise the temperature of the sample to a given threshold.

A performance level will be only mentioned if a level 3 or 4 was obtained during the flammability test.

Level 1 ≤5 sec. **Level 2** ≤15 sec. **Level 3** ≤25 sec. **Level 4** ≤35 sec.

f Resistance to large splashes of molten metal

Corresponds to the weight of molten metal necessary to cause damage to an artificial skin placed directly

behind the sample. The test fails if droplets of metal remain stuck on the glove material or if the sample catches fire.

KYO contact heat resistance (test EN 407: 2004):

KYO-300	Method	Unit	Result
Contact heat	EN 407 : 2004		
Threshold time at 100 °C (1)		Seconds	19.7
Threshold time at 100 °C (2)		Seconds	19.1
Threshold time at 100 °C (3)		Seconds	18.6
Average at 100°C		Seconds	19
Threshold time at 250 °C (1)		Seconds	8.6
Threshold time at 250 °C (2)		Seconds	8.5
Threshold time at 250 °C (3)		Seconds	8.6
Average at 250 °C		Seconds	9
Performance level			

Table of performance Level for glove

Contact heat (EN 407)	Performance level				
	0	1	2	3	4
Contact temperature (°C)	-	100	250	350	500
Treshold time (s)	-	≥15	≥15	≥15	≥15



NORME EN 388
Gloves giving protection from mechanical risks

a b c d ← The pictogram is accompanied by a 4-digit code, 4 or 5 being the best resistance rating.

- a** Resistance to abrasion
Between 0 and 4 based on the number of cycles required to abrade through the sample glove (abrasion by sandpaper under a stipulated pressure).
- b** Blade cut resistance
Between 0 and 5, based on the number of cycles required to cut through the sample at a constant speed.
- c** Tear resistance
Between 0 and 4, based on the amount of force required to tear the sample.
- d** Puncture resistance
Between 0 and 4, based on the amount of force required to pierce the sample with a standard sized point.

X means that this performance is not tested.





GUIDE TO THE NEW CUT LEVELS

ANSI & EN388



200 - 499 grams
LIGHT cut hazards
Wood / paper, warehouse,
General carpentry,
construction, general purpose
small parts assembly



1500 - 2199 grams
MEDIUM cut hazards
Aerospace, automotive,
general carpentry, glass, sheet
metal users /window glazers,
wood / paper, metal
fabrication, metalworking,
plastic, plumbers, appliance
manufacturing



4000 - 4999 grams
HIGH cut hazards
Aerospace, metal stamping,
metal recycling, metal
fabrication / metal working,
appliance manufacturing,
automotive, general carpentry,
glass, sheet metal users
/window glazers, wood / paper,
metal fabrication, Plumbers
metalworking, plastic

* Grams :
Degree of cut resistance



500 - 999 grams
LIGHT/MEDIUM cut hazards
Wood / paper, warehouse,
General carpentry, small parts
assembly, general purpose,
construction



2200 - 2999 grams
MEDIUM/HEAVY cut hazards
Aerospace, glass, sheet metal
users /window glazers, wood /
paper, metal, fabrication,
metalworking, plastic, plumbers,
appliance manufacturing,
automotive, general carpentry



5000 - 5999 grams
HIGH cut hazards
Aerospace, metal stamping,
metal recycling, metal
fabrication /metal working,
appliance manufacturing,
automotive, general carpentry,
glass, sheet metal users
/window glazers, wood / paper,
metal fabrication, metalworking,
plastic, plumbers



1000 - 1499 grams
LIGHT/MEDIUM cut hazards
Wood / paper, warehouse,
General carpentry, small parts
assembly, general purpose,
construction



3000 - 3999 grams
HIGH cut hazards
Aerospace, appliance
manufacturing, automotive,
general carpentry, glass, sheet
metal users /window glazers,
wood / paper, metal
fabrication, metalworking,
plastic, plumbers



6000 + grams
HIGH cut hazards
Aerospace, metal stamping,
metal recycling, metal
fabrication / metal working,
appliance manufacturing,
automotive, general carpentry,
glass, sheet metal users
/window glazers, wood / paper,
metal fabrication, Plumbers,
metalworking, plastic