

KYO-100



424 g

4121A

X1XXXX

Fine Handling



PERFORMANCE LEVELS

TECHNICAL CHARACTERISTICS

Seamless KYORENE liner | Gauge 15
Micro-foam KYORENE nitrile coated palm and fingers
Elastic wrist

* Version **#KYO-100R** with thumb crotch reinforcement

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

PACKAGING : Dozen | 72 pairs/ box

BENEFITS

- Cut resistance ANSI A1
- Extremely resistant to abrasion 4/ 4 | ANSI 6 ($\geq 20\ 000$ cycles with 1000 g of charge)
- Perfect dexterity
- Antibacterial
- Food compliant
- Deodorant
- Contact heat and light cold resistance
- Keeps properties under the light
- Protection UV

APPLICATIONS

- Aerospace
- Construction
- General handling
- Metallurgy
- Plastic industry
- Food industry



EN388 : 4121A

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 : A1

Number of grams : 424

A1	Light (200 – 499 g)
A2	Léger to medium (500 – 999 g)
A3	Léger 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)



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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 on 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-100	Method	Unit	Result
Contact heat	EN 407 : 2004		
Threshold time at 100 °C (1)		Seconds	27.2
Threshold time at 100 °C (2)		Seconds	27.6
Threshold time at 100 °C (3)		Seconds	28.1
Average at 100°C		Seconds	28
Threshold time at 250 °C (1)		Seconds	11.1
Threshold time at 250 °C (2)		Seconds	11.1
Threshold time at 250 °C (3)		Seconds	11.5
Average at 250 °C		Seconds	11
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
Threshold 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



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



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



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



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



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



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



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



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

* Grams : Degree of cut resistance