



TC359E - Rev 3 - 09.03.06

CERTIFICATION CATEGORY III

CE 0334

TELSOL 359 - 361

CE-Type Examination Certificates

TELSOL 359 : 0072/014/162/12/96/0666

TELSOL 361 : 0072/014/162/12/96/0666/Ex01 12 96

issued by the approved body nr. 0072

I.F.T.H. – Av. Guy de Collongue - F-69134 ECULLY CEDEX

Certificate of conformity of the Quality Assurance System

issued by the approved body nr. 0334

ASQUAL - 14, rue des Reculettes - F-75013 PARIS

These gloves conform to the provisions of Directive 89/686/EEC
for protection against chemicals and mechanical risks.

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MAPA®
PROFESSIONNEL

TELSOL 359 - 361

DESCRIPTION AND GENERAL PROPERTIES

Gloves made of a **cotton knit** fully coated with **green PVC**.

Curved fingers and contoured palm.

Rough non-slip surface.

Reference	Type	Length (for all sizes) (in cm)*	Thickness at wrist (in mm)*	Sizes available	Standard packaging (pairs per carton)
Telsol 359	Gauntlet	27	1.30	9	100
Telsol 361	Gauntlet	35		10	50

* nominal values

"CE"-TYPE EXAMINATION RESULTS



PROTECTION AGAINST CHEMICAL

According to **EN 374** standard.
Permeation data :
see the enclosed chemical
resistance chart



PROTECTION AGAINST MECHANICAL RISKS

Levels of performance
according to **EN 388** standard.

4 1 2 1
| | | |
| | | | → puncture resistance (0 to 4)
| | | | → tear resistance (0 to 4)
| | | | → blade cut resistance (0 to 5)
→ abrasion resistance (0 to 4)

Acceptable Quality Level (AQL) : 4%

TELSOL 359 - 361

SPECIFIC ADVANTAGES

- Excellent comfort thanks to the high-quality lining : seam-free working area.
- Reinforced finish for enhanced grip.
- High resistance to ageing by U.V., light and ozone.
- Recommended for persons sensitized to natural rubber proteins.

MAIN FIELDS OF USE

- Paint spraying.
- Pharmaceutical industry.
- Cleaning work.
- Factory maintenance.
- General handling.

INSTRUCTIONS FOR USE

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging protected from humidity and heat.
 - It is recommended to check that the gloves are suitable for the intended use, because the conditions of use at workplace may differ from the "CE"-type tests.
 - Put the gloves on dry, clean hands.
 - Do not use the gloves in contact with a chemical for a duration in excess of the measured breakthrough time. Refer to the chemical resistance chart hereafter or contact the Technical Customer Services - MAPA PROFESSIONNEL in order to know this breakthrough time. Use 2 pairs alternatively when in long duration contact with a solvent.
 - Turn the cuff end down in order to prevent a hazardous chemical from dripping onto the arm.
 - Before taking off the gloves, clean them as appropriate :
 - in use with paints, pigments and inks : wipe with a clean cloth dampened with a suitable solvent, and rub over with a dry cloth
 - in use with acids or alkalies : thoroughly rinse the gloves under running water, and rub over with a dry cloth
- Caution : improper use of the gloves or submitting them to a cleaning or laundering process which is not specifically recommended can alter their performance levels.
- Ensure the inside of the gloves is dry before putting them on again.
 - Inspect the gloves for cracks or snags before reusing them.

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CHEMICAL RESISTANCE CHART

These gloves are designed for protection against numerous chemicals such as acids, bases, oils and greases. They are not recommended for contact with ketones and aromatic or chlorinated solvents. In order to know whether these gloves are appropriate for a given chemical, refer to the table hereafter or enquire to Mapa Professionnel's Technical Customer Service.

CHEMICAL	CAS Nr	Chemical Resistance Index	Degradation Index (1 to 4)	Permeation (EN 374)	
				Breakthrough time (minutes)	Permeation index (0 to 6)
Ethanol	64-17-5	++	3	103	3
n-Heptan	J 142-82-5	=	NT	14	1
Hydrochloric acid 10%	7647-01-0	++	NT	>480	6
Methanol	A 67-56-1	=	2	35	2
Methylethylketone	78-93-3	-	1	9	0
Sodium hydroxide 40%	K 1310-73-2	++	NT	> 480	6
Sodium hydroxide 50%	1310-73-2	++	NT	>480	6
Sulfuric acid 96%	L 7664-93-9	=	NT	147	4
Toluene	F 108-88-3	-	1	14	1
Trichlorethylene	79-01-6	-	NT	8	0

NT : not tested yet

Chemical Resistance Index :

- ++** can be used for **long duration contact**
(limited to breakthrough time)
- +** can be used for **short repeated contacts**
(for a total duration not exceeding the breakthrough time)
- =** can be used against **splashes**
- **not recommended**

Degradation Index : a high index indicates a low degradation of the gloves in contact with the chemical.

Breakthrough Time : permeation test performed on the palm of the gloves at 30°C in MAPA laboratories, unless otherwise specified.

Permeation Index : a high index indicates a long breakthrough time .

"CE" DECLARATION OF CONFORMITY

The Company

MAPA s.n.c.

57, rue de Villiers
BP 190
92205 Neuilly-sur-Seine Cedex - France

declares that the following MAPA PROFESSIONNEL protective gloves :

TELSOL 359
TELSOL 361
TELSOL 362

conform to the gloves which are the subject of "CE" certificates of conformity nr :

TELSOL 359 : 0072/014/162/12/96/0666
TELSOL 361 : 0072/014/162/12/96/0666/01 12 96
TELSOL 362 : 0072/014/162/12/96/0666/EX02 12 96

issued by the notified body nr **0072**

I.F.T.H

Av. Guy de Collongue - F-69134 ECULLY CEDEX

They are manufactured under a certified **Quality Assurance System-Certificate** issued by the **notified body nr 0334**

ASQUAL
14, rue des Reculettes
F-75013 PARIS

CATEGORY III CERTIFICATION

They conform to the provisions of directive **89/686/CEE**. They are designed for protection against **chemicals, micro-organisms and mechanical risks**, including mortal hazards or hazards that may seriously harm the health as specified in Article 8-4.(a) within the limits of use described in the technical documentation,

and are manufactured in conformance with the following **European Standards** :
EN 420, EN 374 and EN 388.

Prepared at Neuilly-sur-Seine, on October 10, 1997

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