Nitrile flockined - Unsupported

NIT2018

Made under ISO 14001 ISO 9001

LATEX

>> Type of use (*)

Given their design (fully dipped gloves) these products are perfectly tight to certain liquids (*). They can therefore be used in car and automobile components assembly and manufacturing, suspension manufacturing, industrial chemical processing, newspaper printing industries, oil refineries, automotive paint shop, lacquer, battery manufacturing, horticulture, pesticides handling, agriculture, laboratory testing, environmental waste clean up, air compressor manufacturing, degreasing, leather tanning, glue manufacturing, janitorial.

>> Technical features

- **Construction:** flocklined dipped glove, unsupported.
- **Designation/materials:** glove in **nitrile. Cotton** flocklined. Embossed palm and fingers.
- **Colour:** green.
- **Sizes:** 7, 8, 9, 10, 11.
- **Length:** 330 mm (**).
- **Thickness:** 0.45 mm (+/- 0.03 mm) (**).
- **Packing:** - carton of 100 pairs.
  - bundle of 10 pairs.
  - under invidual polybag.

Learn more: ***www.singer.fr***

(**) average values

chemical protection

>> Advantages

- The guarantee and benefits of an **ISO 9001/ ISO 14001** certified manufacturing process: quality of products, regularity.
- Made from specially formulated Acrylonitrile Butadiene compound that provides oustanding protection against a wide range of chemicals including strong detergents, greases, oils, most solvents and acids.
- Higher durability and longer wear than natural rubber gloves.
- Does not contain latex protein.
- The patterned palm and fingers give excellent grip in both wet and dry conditions.
- Cotton flock llining offers added comfort and better absorption of perspiration.
- Better abrasion and puncture resistance than natural latex gloves.
- In individual hygienic packaging for a better conservation of the product.

>> Conformity

This glove has been tested according to the following European standards :

- **EN 420 : 2003 + A1 : 2009.** Protective gloves - General requirements and test methods.
- **EN 388 : 2016.** Protective gloves against mechanicals risks.
- **EN ISO 374-1: 2016.** Protective gloves against dangerous chemicals and micro-organisms. Part 1.Terminology and performance requirements for chemical risks.
- **EN 374-2: 2014.** Protective gloves against dangerous chemicals and microorganisms. Part 2. Determination of resistance to penetration.
- **EN 16523-1: 2015.** Determination of material resistance to permeation by chemicals. Part 1: Permeation by liquid chemical under conditions of continuous contact.
- **EN 374-4: 2013.** Protective gloves against chemicals and micro-organisms. Part 4. Determination of resistance to degradation by chemicals.
- **EN ISO 374-5: 2016.** Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organisms risks.

EN388 : 2016

3 1 0 2 X

EN ISO 374-1: 2016/ TYPE A

J K L O P T

EN ISO 374-5: 2016

CE 0321

Cat III

It complies with **European Regulation (EU) 2016/425** on Personal Protective Equipment **(PPE)**. **Category III.**
EU type examination certificate (**module B**) issued by **SATRA,** notified body **n°0321.**
Conformity to type based on quality assurance of the production process (**module D**) set out in Annex VIII of Regulation (EU) 2016/425 is carried out by the notified body **SATRA**, notified body **n°0321**.

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(*) Type of use is given as a guide only. It is to the end user to check whether the product is suitable or not for the intended use. Before any use, read carefully the instructions enclosed with the product. Issue LS 2018_09.17. Copyright: Singer, Fotolia

EN 388: 2016. Protective gloves against mechanical risks

Mechanical data. Information about levels.	Level 1	Level 2	Level 3	Niveau 4	Level 5	**Levels ▼**
Abrasion resistance (number of cycles)	100	500	2000	8000	-	**3**
Blade cut resistance (index)	1,2	2,5	5,0	10,0	20,0	**1**
Tear resistance (in Newtons)	10	25	50	75	-	**0**
Perforation resistance (in Newtons)	20	60	100	150	-	**2**

Cut resistance (as per EN ISO13997) (TDM test)	Level A	Level B	Level C	Level D	Level E	Level F	**Level**
	2	5	10	15	22	30	**X**

EN 388 : 2016

3 1 0 2 X

«X» means that the glove has not been submitted to the test.

EN ISO 374-1: 2016 / TYPE A.

Protective gloves against dangerous chemicals and micro-organisms.
Part 1.Terminology and performance requirements for chemical risks.

EN ISO 374-5 : 2016.

Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organisms risks.

EN ISO 374-1 : 2016 / TYPE A

EN ISO 374-5 : 2016

J K L O P T

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Chemicals ▼	Code ▼	Class ▼
n-Heptane	**J**	**6**
Sodium hydroxyde 40 %	**K**	**6**
Sulphuric acid 96%	**L**	**4**
Ammonium hydroxide 25%	**O**	**5**
Hydrogen peroxid 30%	**P**	**6**
Formaldehyde 37%	**T**	**6**

Type A gloves are gloves that have passed
i) penetration test as per EN374-2:2014 (water leak & air leak test)
ii) achieved at least **Level 2** (**more than 30 min** breakthrough time) for chemical permeation test as per EN16523-1:2015 against minimum **6 chemicals** from the list of 18 test chemicals on Table 2 of EN ISO 374-1:2016.

The 6 tested chemicals are represented by their code letter and marked under the pictogram and
iii) have performed chemical degradation test as per EN374-4:2013 for each chemical claimed and the results are as reported here.

EN 374-4: 2013.

Protective gloves against chemicals and micro-organisms.
Part 4. Determination of resistance to degradation by chemicals.

Chemicals ▼	Code ▼	Degradation ▼	Appearance of the sample after test ▼
n-Heptane	**J**	**22,5 %**	Swollen
Sodium hydroxyde 40 %	**K**	**-1.1 %**	Swollen
Sulphuric acid 96%	**L**	**64.3 %**	Swollen, shrunken, brittle, discoloured and hardened
Ammonium hydroxide 25%	**O**	**5.4 %**	Swollen
Hydrogen peroxid 30%	**P**	**-0.2 %**	Swollen
Formaldehyde 37%	**T**	**4,9%**	swollen

EN ISO 374-1: 2016

Chemical Permeation Performance levels

Measured breakthrough time (min)	**Permeation performance level**
> 10 min	Class 1
> 30 min	Class 2
> 60 min	Class 3
> 120 min	Class 4
> 240 min	Class 5
> 480 min	Class 6

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