



Protective Gloves Orion 44

	Thickness: 1,1 mm		Thickness: 1,3 mm	
Size:	XL / 10	XXL / 11	XL / 10	XXL / 11
Ref:	11 405	11 406	11 407	11 408

Packing: 1 pair per polybag
36 pairs per carton

Standards applied:
EN 420:2003+A1:2009, EN ISO 374-1:2016 / Typ A, EN ISO 374-5:2016,
EN 407:2004, EN 388:2016, Regulation (EU) 2016/425

Material:
Naturkautschuklatex



EU Type-Examination

Protection against chemical risks and microorganisms EN 374

EN ISO 374-1:2016 / Typ A



AKLMNOPT

Group	Test chemicals	Permeation Category	Performance level	Degradation
A	Methanol	Primary alcohol	0 1 2 3 4 5 6 (0-6)	0,4%
K	Sodium hydroxide 40%	Inorganic base	0 1 2 3 4 5 6 (0-6)	-10,2%
L	Sulphuric acid 96%	Inorganic acid	0 1 2 3 4 5 6 (0-6)	31,4%
M	Nitric acid 65%	Inorganic acid	0 1 2 3 4 5 6 (0-6)	16,2%
N	Acetic acid 99%	Organic acid	0 1 2 3 4 5 6 (0-6)	20,0%
O	Ammonium hydroxide 25%	Organic base	0 1 2 3 4 5 6 (0-6)	-8,1%
P	Hydrogen peroxide 30%	Peroxide	0 1 2 3 4 5 6 (0-6)	32,1%
T	Formaldehyde 37%	Aldehyde	0 1 2 3 4 5 6 (0-6)	-4,4%

0 = lowest performance level; 6 = highest performance level
Gloves are considered resistant to chemicals if a protection index of at least level 2 (permeation time > 30 minutes) in 3 chemicals from a defined list of 12 chemicals is achieved.

Performance level (against permeation)	1	2	3	4	5	6
Measured breakthrough time [min]	>10	>30	>60	>120	>240	>480

EN ISO 374-5:2016



Level 2

Test criteria	Performance level relating to AQL
Level 1 0,65 %	0-3
Level 2 1,50 %	
Level 3 4,00 %	
Protection against bacteria and fungi: PASS	AQL 1,5

Protection against thermal risks EN 407

EN 407:2004



X2XXXX

Test criteria	Performance level
Flammability	0 1 2 3 4 (0-4)
Contact heat	0 1 2 3 4 (0-4)
Convection heat	0 1 2 3 4 (0-4)
Radiation heat	0 1 2 3 4 (0-4)
Small splashes of molten metal	0 1 2 3 4 (0-4)
Large splashes of molten metal	0 1 2 3 4 (0-4)

0 = lowest performance level; 4 = highest performance level
X = the glove has not been constructed for the application in this test

Performance level	1	2	3	4
Contact temperature [°C]	100	250	350	500
Threshold time [s]	>15	>15	>15	>15

Protection against mechanical risks EN 388

EN 388:2016



4121X

Test criteria

Abrasion resistance (Cycles)
Blade cut resistance – Coupe-Test (Index)
Tear resistance (Newton)
Puncture resistance (Newton)
Cut resistance by sharp objects EN ISO 13997 (Newton)

0 = lowest performance level; 5 = highest performance level
X = the glove has not been constructed for the application in this test
In the event of blunting during a cut resistance test, the results of the Coupe Test are to only be considered indicative, whereas the TDM cut resistance test supplies reference results with regard to performance.
The lab tests are intended to provide a selection guide, but they can not simulate actual workplace conditions. It is therefore the responsibility of the user and not of the manufacturer to check the suitability of a specific protective glove for the intended application. The equipment protects against medium mechanical risks.

Performance level

0	1	2	3	4		(0-4)
0	1	2	3	4	5	(0-5)
0	1	2	3	4		(0-4)
0	1	2	3	4		(0-4)
A	B	C	D	E	F	(A-F)

Notified Body No.:

CE 0120

EU Type-Examination and Surveillance by: SGS United Kingdom Ltd
Westonsuper-Mare, BS22 6WA, UK

User and Care Instructions



User Instructions for Protective Gloves of PPE Category III according to Regulation (EU) 2016/425:



Checking: Prior to use check the gloves for holes, cracks, defects and change of glove material. Replace defective gloves. Hand protection and a secure grip can only be provided by gloves which fit the user adequately. Any previously listed test results refer to new, unused gloves.



Storage: Store gloves at room temperature in a dry and well ventilated place without folding them. Avoid penetration of sunlight and heat radiation. Storage condition and storage time can lower performance levels. Manufacturer assumes no responsibility for changed glove properties due to storage, washing and chemical treatments.



Transport: Only transport gloves in their original packing.



Use: Before using gloves wash and dry hands carefully. If gloves are worn continuously for long periods, it is recommended to change between several pairs. Observe performance levels of the gloves. The information does not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals. The chemical resistance has been assessed under laboratory conditions from samples taken from the palm only (except in cases where the glove is equal to or over 400 mm – where the cuff is tested also) and relates only to the chemical tested. It can be different if the chemical is used in a mixture. Do not use the glove in vicinity of any rotating component where there is a risk of glove being trapped and pulled into the machine. To prevent the ingress of liquids, wrap the cuff edge. Not suitable for use with electrical components. Clean gloves with lukewarm water before removing. Pull out the gloves by touching the folded cuff. Do not touch the outside of the glove with the skin as contact with harmful substances is possible. Wash hands thoroughly after wearing gloves and apply a suitable hand creme. Gloves should be dry before wearing them again. After contamination deterioration of glove material performance is possible. Information provide does not reflect the actual duration of protection in the workplace due to other factors influencing the performance, such as temperature, abrasion and degradation. When used protective gloves may provide less resistance to the dangerous chemical due to changes in the physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. The penetration resistance has been assessed under laboratory conditions and relates only to the tested specimen.



Durability: A precise time information is not possible, as the durability will depend on intensity of use and degree of deterioration in the respective area of application, but maximum 2 years.



Cleaning: After use, shake off the dust and dirt. Do not rub. Repeat in case of heavy soiling. Dry in well ventilated area. Specified protection levels apply only for new, unused gloves. It is not possible to transfer the results to gloves after care treatment. Washing can reduce the performance level. Before reuse inspect the gloves for any defect or imperfections.



Disposal: If unused or not contaminated discard in household waste. After contact with chemicals follow the disposal regulation of the chemical substance concerned. Contaminated protective gloves, which may pose a hazard, must be disposed of properly.



Caution: Contains natural rubber latex which might cause allergies. This product is not tested for viruses. You can obtain the declaration of conformity through: www.sanger.de

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