EN

Information sheet according to EN ISO 21420:2020 (D): General requirements for gloves

User instructions for Glovebox Gloves
against chemical and biological action

JUGITEC®
BV03 I BV07

Type number explanation:

Material	Handstyle	Hand size	Material thickness	Length in mm
5 = Butyl / Viton	V= fully anatomic	07 =7 (S) 08 = 8 (M) 09 = 9 (L) 10 = 10 (XL) 11 = 11 (XXL)	3 = 0,3 mm (Jugitec BV03)	330
			7 = 0,7 mm (Jugitec BV07)	350

Donning and Doffing: Grasp one glove at the lower edge of the rolled edge and pull it over the hand. Repeat the process with the other glove. To remove, grasp a glove on the outside of the rolled edge and pull it off over your hand. Repeat the process with the other glove.

Application: The intended use of the gloves is protection against chemical risks and low mechanical stress.

Cleaning: Chemical protective gloves cannot be washed or reused. Cleaning of polluted gloves is best done in lukewarm water and soap solution. Do not use chemicals. Do not use sharp-edged objects such as wire brushes, sandpaper and similar objects. Dry the unsoiled gloves at room temperature. If contaminated with chemicals, the gloves are for single use only.

Storage: Gloves should be stored unbent in a dry and dark environment at a temperature between 5° and 25°C. Gloves should never be exposed to direct sunlight. To avoid an accelerated aging process, the glove should not be stored in the vicinity of electrical devices in particular near fluorescent tube lamps. Recommended shelf life at least 60 months after date of manufacturing, indicated on the glove. The date of manufacture is shown next to the batch no. as month and year (MM/YY) on the glove.

The symbol on the glove indicates the date of manufacture.

Handling: The gloves should be checked for any damage before use, damaged gloves should not be used under any circumstances. All technical figures relate to as delivered condition, unused and not stretched at room temperature (according to ISO374). When using not specified chemicals (not mentioned on the chemical list), please contact your chemical supplier, he will advise you. Gloves shall not be worn when there is a risk of entanglement by moving parts of machines.

Disposal: Unused, together with normal household waste. After contact with chemicals, according to the instructions of the respective chemical disposal.

Components / Dangerous components: TU / Thiurame: This component may be a possible cause of allergies for susceptible persons and consequently lead to skin irritation and / or allergic reactions. In the event of an allergic reaction immediately consult a doctor. Further information is available on request.

Material characteristics: High impermeability to water vapor, gases and high resistance to a variety of toxins, oils, solvents and oxidizing chemicals. Flexible even at low temperatures, Temperature range: -20°C to +90°C.

Permeation according EN ISO 374-1:2016+A1:2018 (D)

Type A: Chemical breakthrough time > 30 minutes at least 6 test chemicals.
Type B: Chemical breakthrough time > 30 minutes at least 3 test chemicals.
Type C: Chemical breakthrough time > 10 minutes at least 1 test chemical.

Code letters and Test Chemicals:

A	Methanol	J	n-Heptan
B	Aceton	K	Sodium hydroxide 40%
C	Acetonitril	L	Sulfuric acid 96%
D	Dichloromethan	M	Nitric acid 65%
E	Carbon disulfide	N	Acetic acid 99%
F	Toluol	O	Ammonium hydroxide 25%
G	Diethylamin	P	Hydrogen peroxide 30 %
H	Tetrahydrofuran	S	Hydrofluoric acid 40 %
I	Ethyl acetate	T	Formaldehyde 37%

ISO 374-1:2016+
A1:2018/Type A

AFKLMNOT

Performance level:

Measured breakthrough time	> 10 min	> 30 min	> 60 min	> 120 min	> 240 min	> 480 min
Performance level	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6

Penetration according EN 374-2:2014 (D)

Degradation according EN 374-4:2013 (D)

Protection against microorganism according EN ISO 374-5:2016 (D)
Glove to protect against bacteria, fungal infection and viruses.

ISO 374-5: 2016

VIRUS

EN ISO 374-1:2016+A1:2018 (D); Typ A*			EN 374-4:2013 (D)**		EN 374-2:2014 (D)***	EN ISO 374-5:2016 (D)***
Test Chemical	Performance level		Average value			
	BV03	BV07	BV03	BV07	BV03 and BV07	BV03 and BV07
A	6	6	25,41 %	5,23	passed	passed
F	6	6	-16,34 %	71,68		
K	6	6	5,01 %	12,25		
L	6	6	14,18 %	-14,76		
M	6	6	-1,61 %	-10,09		
N	6	6	39,97 %	11,71		
O	6	6	-3,42 %	-1,35		
T	6	6	1,16 %	10,12		

*The performance level is based on the breakthrough time determined during a constant contact with the test chemical under normal laboratory conditions, as described in EN 16523-1:2015. The actual duration of protection at workplace conditions is influenced by many factors such as material thickness, pressure difference, contact with the medium (permanent or intermittent), aging of the material or by negative environmental influences (see storage) and may differ from this performance level!
**Samples are taken from the palm of the glove.
***Penetration resistance was assessed under laboratory conditions and applies only to the samples tested.

The EU Declaration of Conformity is available at: www.jung-gt.de and www.jugitec.de.

Safety information:
This information does not provide information about the actual protection time at the workplace and the distinction between mixtures and pure chemicals.

Resistance to chemicals was evaluated under laboratory conditions on samples taken only from the palm of the hand (except in the case where the glove is 400 mm or longer - in which case the cuff is also tested) and applies only to those tested chemicals. It can be different if the chemical is used in a mixture.

It is recommended to check if the gloves are suitable for the intended use as the workplace conditions may differ from those of the type test depending on temperature, abrasion and degradation. If protective gloves have already been used, they may offer less resistance to hazardous chemicals due to changes in their physical properties. Degradation, usage, stringing, friction, etc. caused by contact with chemicals can significantly reduce the actual application time. With aggressive chemicals, degradation can be the most important factor to consider when choosing chemical resistant gloves.

Before use, the gloves must be checked for any faults or defects.

Information pictogram – Please read the information provided by manufacturer

Stand: June 2023

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supervising Body 0299 (Modul D): DGUV Test Prüf- und Zertifizierungsstelle – Zwengenberger Strasse 68 – 42781 Haan / Germany

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