

# GLOVE JUBA - 5657 PVC FLEX

Triple dipped PVC glove with seamless cotton liner. Long 65 cm



## STANDARDS



## HIGHLIGHTS



## CHARACTERISTICS

- Rough finish on palm and back.
- Ergonomic design, sandy coating.
- Handling wet or slippery materials.
- Seamless liner, more comfortable.
- Soft composition, good flexibility in cold conditions.
- Antibacterial treatment.
- Non-slip vinyl film, even on oily surfaces.
- Thermo-sealed sleeve.

## WORKING GLOVES SUITABLE FOR:

- Industrial cleaning.
- Chemical industry.
- Agricultural use.
- Industrial maintenance.
- Handling of alcohols.
- Petroleum derivatives.
- Public services.
- Fishing and agricultural industry.
- Washing process in tanks and industrial chemical treatments.

## MORE INFORMATION

Materials	Color	Thick	Long	Sizes	Packaging
Pvc	Blue	1.65 mm	S - 65 cm M - 65 cm L - 65 cm XL - 65 cm	7/S 8/M 9/L 10/XL	6 Pairs/package 60 Pairs/box

STANDARDS

EN388:2016



**EN388:2016 Protective gloves against mechanical risks**

According to this standard, characteristics such as abrasion resistance, cut resistance, tearing strength, puncture resistance and impact protection are tested. In conjunction with the pictogram, four numbers and one, or two letters, will be displayed. These signs indicate the performance of the glove.

**ABRASION RESISTANCE**

The material is subjected to abrasion by a sandpaper under a determined pressure. The protection level is indicated on a scale of 1 to 4 depending on the number of turns required until a hole appears in the material. The higher the number is, the better the resistance to abrasion.

**CUT RESISTANCE, COUP TEST**

The cut protection is tested. A knife is passed over the glove material until it cuts through. The protection level is given by a number between 1 and 5, where 5 indicates the highest cut protection. If the material dulls the knife during this test, the cut test ISO 13997(TDM test) shall be performed instead, see point 5.

**TEARING STRENGTH**

The force required to tear the glove material apart is measured. The protection level is indicated by a number between 1 and 4, where 4 indicates the strongest material.

**PUNCTURE RESISTANCE**

Based on the amount of force required to puncture the material with a tip. The protection function is indicated by a number between 1 and 4, where 4 indicates the strongest material.

**CUT RESISTANCE, TDM TEST ISO 13997**

If the knife gets dull during the coup test, see point 2, this test shall be performed instead. The result is given by a letter, A to F, where F indicates the highest level of protection. If any of these letters is given, this method determines the protection level instead of the coup test.

**ISO 13997:1999 – Determination of resistance to cutting by sharp objects**

An alternative cut test recommended for cut protection gloves. Shall be used in EN388:2016 for cut protection gloves where the cut material dulls the cutting knife during testing. A knife cuts with constant speed but increasing force until breakthrough of the cut protection material. Level of protection is given in Newton, the force needed for cut through at 20mm cut length.

**IMPACT PROTECTION**

If the glove has an impact protection, this information is given by the letter P as the 6th and last sign. If no P sign, no impact protection is claimed.

ENISO374-1:2016



**EN ISO 374:2016 Protective gloves against dangerous chemicals and micro-organisms**

Chemicals can cause seriously harm for both the personal health and the environment. Two chemicals, each with known properties, can cause unexpected effects when they are mixed. This standard gives directives of how to test degradation and permeation for 18 chemicals but doesn't reflect the actual duration of protection in the workplace and the differences between mixtures and pure chemicals. This standard specifies the demands of the requirements for a glove to protect against dangerous chemicals and micro-organisms. The shortest allowable length that is liquid tight shall correspond to the minimum length of the gloves as specified in EN 420:2003 + A1:2009

**PENETRATION**

Chemicals can penetrate through holes and other defects in the glove material. To secure a glove to be approved as a chemical protection glove the glove shall not leak water or air when tested according to penetration, EN 374-2:2014.

**DEGRADATION**

The glove material might be negatively affected by chemical contact. Degradation shall be determined according to EN 374-4:2013 for each chemical. The degradation result, in percentage (%), shall be reported in the user instruction.

**PERMEATION**

The chemicals break through the glove material at a molecular level. The breakthrough time is here evaluated and the glove must withstand a breakthrough time of at least:

Type A – 30 minutes (level 2) against minimum 6 test chemicals

Type B – 30 minutes (level 2) against minimum 3 test chemicals

Type C – 10 minutes (level 1) against minimum 1 test chemical

The third row in the pictogram for Type A and B indicates which chemicals, in the table below, the glove protects against. Type C doesn't have a third row and withstand 1 chemical only for a short while.

Code letters	Chemical	Cas no.	Class
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbon disulphide	75-15-0	Sulphur containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound
I	Ethyl acetate	141-78-6	Ester
J	N-heptane	142-85-5	Saturated hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidizings
M	Nitric acid <sup>o</sup> 65%	7697-37-2	Inorganic mineral acid, oxidizings
N	Acetic acid 99%	64-19-7	Organic acid
O	Amoniaco 25%	1332-21-6	Base orgánica
P	Peróxido de hidrógeno 30%	7722-84-1	Peróxido
S	Ácido fluorhídrico 40%	7664-39-3	Ácido inorgánico mineral
T	Formaldehído 37%	50-00-0	Aldehído

The test chemicals are listed in the table above and all 18 chemicals shall be tested for permeation according to EN 16523-1:2015.

	General req. in en 420	Penetration (shall not leak)	Min. level 2 of 6 chemicals	Min. level 2 of 3 chemicals	Min. level 1 of 1 chemical
Type a	X	X	X		
Type b	X	X		X	
Type c	X	X			X

**MICRO-ORGANISMS**

All gloves must be tested against micro-organisms. The gloves are tested to protect against bacteria and fungi, but also viruses if requested, according to EN 374-5:2016.