AUSTAR

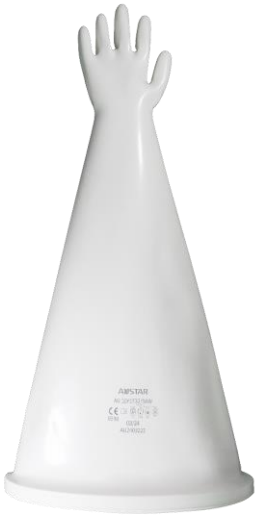
Technical Data Sheet #

CSM Isolator Gloves
Chlorosulfonated Polyethylene

Standards for CSM Isolator Gloves

The products in compliance with EU Regulation 2016/425 Module B 0598/PPE/22/2402，and EN420.

CE 0598



Product Model

AU6Y1532/9AWN

AU7Y1532/9AWN

AU8Y1532/9AWN

AU9Y1532/9AWN

AU10Y1532/9AWN

Product Specification

Product Code	AU
Port Cuff Size	6″≈150mm 7″≈180mm 8″≈200mm 9″≈225mm 10″≈250mm
Material	Y:CSM N:Nitrile
Thickness	15mil≈0.4mm 20mil≈0.5mm 25mil≈0.6mm
Length	32″≈800mm
Hand Sizes	9″≈95mm
AMBI L/R	A
Glove Color	White
Sterility	N:Non-sterile S:Sterile

Material

This product is made of chlorosulfonated polyethylene (CSM) material by special production technology processing, chlorosulfonated polyethylene from low density polyethylene or high elastomer material containing chlorine, chemical structure is completely saturated.

The material is white or yellow elastomer, which can be dissolved in aromatic hydrocarbons and chlorinated hydrocarbons, insoluble in fats and alcohols, and can only swell and not dissolve in ketones and ethers, especially in chemical medium corrosion resistance, ozone resistance (the material's own characteristics are not achieved by adding additives) oxidation and oil erosion resistance, flame retardant and other outstanding properties, but also has weather-resistance, heat resistance, ionic radiation resistance, low temperature resistance and electrical insulation. Seamless integrated construction guarantees integrity and excellent mechanical properties.

Mechanical Properties

Testing accordance: EN388:2016+A1:2018

15mil (0.4mm)： 4111X， Wear resistance 4, cut resistance 1, tear resistance 1, puncture resistance1

20/25mil(0.5/0.6mm)：4112X，Wear resistance 4, cut resistance 1, tear resistance 1, puncture resistance 2.

Chemical Properties

(for reference only)

Testing accordance: EN ISO 374-1:2016+A1:2018 for chemical penetration resistance testing:

Chemical	Property	Description
Alcohol: Methanol	++++++	Excellent Tolerance
Acids: Sulfuric Acid, Nitric Acid	++++++	Excellent Tolerance
Base: Sodium Hydroxide	++++++	Excellent Tolerance
Strong oxidizing agent: Hydrogen Peroxide, Ozone	++++++	Excellent Tolerance
Alkane solvent: N-heptane	++++++	Excellent Tolerance
Ketone solvent: Acetone	+	Intolerance
Ester solvent: Ethyl Acetate	+	Intolerance
Aromatic solvent: Tetrahydrofuran	-	Intolerance
Other: High Steam Sterilization	++++++	Excellent Tolerance
Other: Co60γ radiation	++++++	Excellent Tolerance

Remark：-Not recommended，+Can be used under certain conditions， ++++++Recommended

Air Tightness Test

According to EN ISO 374-2:2019, the air leakage rate was tested, and no leakage was found by the air tightness method and the water inspection method, which passed the test.

Product Feature

- The product has passed the FDA21CFR 177.2600 standard test, and can be used in food and drug industry.
- Excellent chemical resistance, ozone resistance, resistance to strong oxidation, such as alcohols, acids, bases, ethers, peroxides and saturated hydrocarbon chemicals.
- Wide range of applicable temperature, can be used in the range of -30℃~125℃.
- It has a high degree of protection against UV irradiation of artificial light and sunlight, and is resistant to ionizing radiation and irradiation （$1*10^6$Gy Co-60γ）。
- Excellent wear resistance, high tensile strength, resistance to accidental tearing，increase of service life
- Special process formula design, soft, comfortable, new finishing hand mold, flexible operation;
- Smooth surface, easy to clean.

Application:

The extract residue was tested according to FDA 21CFR 177.2600, and the results were in compliance with USDA, FDA and 21CFR regulations. It can be used in pharmaceutical, biotechnology and food processing.

Method of Washing

- Washing contaminated gloves is recommended in warm water and a neutral soap solution.
- Do not use chemicals for Washing.
- Do not use sharp objects to remove stains, such as wire brushes, sandpaper, etc.

Storage

- Store in a cool, dry, light-proof package. Recommended storage temperature: 5-30 ° C.

Shelf Life

- Valid for 4 years from the date of manufacture.

Packing

- Each pair of gloves packed in a sealed bag.

Special Statement

- This product does not contain TSE/BSE related original material and no animal raw material is used in the production process.
- Pay attention to the risk of glove entanglement when using around moving equipment.
- Gloves that come in contact with toxic or corrosive chemicals may cause chemical reactions, posing a risk of injury.
- The appearance of gloves should be checked for imperfections or defects before use, and the gloves should be used after washed and sterilized.