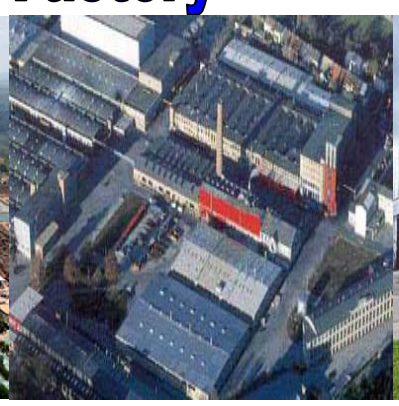
The Glove Factory

Shanghai, China
Vinyl glove manufacturing

Hatyai, Thailand
3 of the worlds largest glove plants



R&D Center
Wimpassing, Austria

Sopron, Hungary

TUV—Proven ISO 9000 Quality

SEMPERMED manufacturing plant and the entire manufacturing process are subject to most stringent quality tests and are regularly checked by TÜV and FDA. From purchase of the raw-material via production, packaging, storage and sterilization to distribution, all production processes are controlled by an accredited certification authority for quality/management systems and have been awarded the stringent CE-Certificate. In addition to the ISO 9001 and ISO 13485 certificates, this is a further guarantee of maximum product quality and absolute reliability of SEMPERMED gloves

Water Leak Test

The impermeability of medical gloves, is tested by means of the water-retention test. For this test, the glove is filled with 1 litre of water and must remain completely water-tight over a clearly defined period of time.

Air Leak Test

As the water-retention test is a destructive testing procedure, the non-destructive air test is additionally applied. By inflating the gloves to a defined pressure, even the smallest perforations will be found.

Elongation To Break

Tensile Strength

Even under extreme stress medical gloves must offer maximum safety. Robustness and tear resistance are the determining factors. As a result of the most stringent production control, continuous controls and most modern production methods, SEMPERMED gloves guarantee optimum protection for doctor and patient even under the toughest stress conditions.

Wall Thickness Measurement

Protective gloves must be thick enough to afford optimum protection for the relevant application. If a glove is too thick, the important feeling sensation is lost. The high art of latex dipping consists in finding the optimum balance between wall thickness and feeling sensation.

Leaching

Chemicals and proteins very often lead to skin irritation of the glove user. The use of thiurames is eliminated during the manufacture of SEMPERMED gloves. In up to 80 % of all cases thiurames are responsible for type IV allergies. Further production processes (leaching) reduce the latex protein content to a minimum.

Ph-Value

Of prime importance for skin-friendliness is also the pH-value of the glove. Thorough leaching and the subsequent use of neutral corn starch for powdered gloves make SEMPERMED gloves very skin friendly.

Shape of Glove

The form of a glove is very important for wearer comfort. Many gloves are manufactured in anatomical porcelain moulds. This unnatural finger position quickly leads to fatigue of the hand. SEMPERMED therefore uses fully anatomical moulds. The slightly bent fingers with the thumb protruding forwards correspond with the natural position of a hand and therefore guarantee maximum wearer comfort and best possible fit.

Information Provided by: Spina Dental Medical Supplies
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