

SYNTEGRA UV A NEW DIMENSION OF SKIN-FRIENDLINESS AND WEARING COMFORT

VERY GOOD SKIN-FRIENDLINESS – because free from latex and accelerators COMFORT OF A LATEX GLOVE – thanks to the material polyisoprene LESS HAND FATIGUE – optimal tactile sense





SEMPERMED[®] SYNTEGRA UV

A NEW DIMENSION OF SKIN-FRIENDLINESS AND WEARING COMFORT

In the health sector, where the use of disposable gloves for protection and hygiene is becoming ever more indispensable, both medical staff and patients experience allergies again and again. In addition to the known type I allergy sufferers (latex intolerance), many people also suffer from an allergy to the accelerators used in the production process (type IV allergy).

The benefits for the users are enormous:

After years of research, the Sempermed R&D team has succeeded in using photochemical processes – induced by UV light – to interlink the glove film. This new production process developed at the Austrian facility allows the new Sempermed® Syntegra UV to be manufactured without accelerators. Thanks to polyisoprene, a material similar to natural latex, it also offers the popular comfort of latex.

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- COMFORT OF A LATEX GLOVE thanks to the material polyisoprene
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SPECIAL PROPERTIES OF POLYISOPRENE

"In contrast to chloroprene rubber, the molecular structure of natural rubber is identical to that of polyisoprene rubber. Gloves made from polyisoprene latex therefore have the same elasticity and comfort of natural latex gloves, with complete safety from latex allergies", explains Dr. Raimund Schaller, head of the Sempermed R&D department.



NATURAL LATEX





CHLOROPREN

In the ball and stick diagram (spherical representation) the individual types of atoms have different colours in order to differentiate them. For example, carbon atoms are usually coloured black, chlorine green and hydrogen is white.

This graphic chart clearly elevates that polyisoprene and natural latex have an identical molecular structure whereas chloropren differs.

PATENTED PRODUCTION PROCESS



- The liquid polyisoprene mixture
- is irradiated with ultra-violet light.



The gloves are submerged 2 in the irradiated polyisoprene mixture.



3. ultra-violet light directly on the mould. The finished gloves are irradiated with

TECHNICAL DATA



sempermed[®]() syntegra UV

ТҮРЕ	Sterile surgical glove for single use, powder-free with synthetic lining	DURABILITY in original packaging if stored as per DIN 7716, ISO 2230	3 years
MATERIAL	Synthetic polyisoprene	STERILISATION	Radiation STERILE R
COLOUR	White	LABELLING	EN 1041, EN 420, ISO 15223
GLOVE SHAPE	Fully anatomical with rolled rim	PURPOSE as set out in MDD 93/42 EEC as set out in PPE 89/686 EEC	Medical device class IIa Single-use protective glove – PPE category III (protection against chemical substances for limited time) ¹⁾
SIZE/OVERALL LENGTH as per EN 455-2	5 ½, 6 and 6 ½ min. 270 mm 7, 7 ½ and 8 min. 280 mm 8 ½ and 9 min. 285 mm		
WALL THICKNESS measured single layer in the palm area	0.20 – 0.25 mm	PACKAGING	Left and right hand with turned up cuff in fibe-free inner pouch, ozone-tight, sealed in flat meical peel pack. In dispenser carton with sterilisation indicator: 40 pairs In transport carton with sterilisation indicator: 240 pairs
IMPERMEABILITY/ FORCE AT BREAK as per EN 455-1/as per EN 455-2	AQL 0.65 / ≥9 N	ARTICLE NUMBERS	Size 5½827058521Size 7½827058721Size 6827058601Size 8827058801Size 6½827058621Size 8½827058821Size 7827058701Size 9827058901
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1) Please note the Sempermed Chemical Resistance list, available on www.sempermed.com/sempermed_informs/chemical_resistance

IMPORTANT NOTE: Actual product information is available under www.sempermed.com. Failure to observe this information, in particular with regard to (chemical) resistance, frequency of use and tolerability of the gloves, can result in personal injury and/or material damage. Semperit does not accept any liability for incorrect use of the gloves. In case of doubt, obtain expert advice before use. The information and classification correspond to the latest status prior to printing. Technical details are average values from production and may vary in individual cases. Subject to mistakes, printing errors and amendments.