

# VOMATEX GERMANY

High quality coverings for industrial ironing tables and presses

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## Company profile

Since 1968 VOMATEX is supplying high quality coverings for industrial clothing presses and ironing tables as well as transport belts for fusing machines and accessories.

Today we are exporting to all countries with international clothing industry and are well known as the leading specialist in this branch.

Moreover our wide range of heat and pressure resistant materials is suitable for many other applications like textile bonding, fusing, transfer printing and bending in industries like shoe, glass, aluminium, furniture and many others.



So whenever you require a heat resistant and pressure absorbant layer please do not hesitate to ask VOMATEX.



## Big distribution stock in Bremen

VOMATEX is running the worldwide biggest stock in VAU-SIK foamed silicone sheets, Multi-Stretch for frames, VOMAPOR silicone/foam, VERDEX Super-Latexfoam and many more high quality coverings.

Clothing factories around the world trust in VOMATEX coverings to achieve the required excellent finish of the clothing. Because of the huge stock and the big volume of

coverings handled, VOMATEX is able to dispatch every order within very short delivery time at favourable prices.

Moreover the high quality products of VOMATEX last longer than cheap imitations and your machines will be able to work constantly for a much longer time. VOMATEX products save money because you will use less coverings and you will have less machine break down as the replacement interval will be extended.

We are aware that our spare parts are essential for your continual production. For this reason you can rely that our qualified staff will put all knowledge and experience into a fast and reliable processing of your orders. For example we take utmost care to issue every single required document completely and correctly in order to avoid any complications at the export or import formalities.

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## Advanced products

The development of new fibres, raw materials and production methods enables VOMATEX to present several improved products and new articles.

Our booths at several international fairs are always crowded by interested visitors from all over the world who especially want to know about the innovations for coverings and accessories used with ironing tables and presses.



VOMATEX on various fairs

Our long experience at ironing and the knowledge of the different kinds of available coverings enable VOMATEX to give advice at problems and to offer quick solutions. As our experience is not limited to the clothing sector we welcome all requests for heat and pressure resistant materials.



Already in 1972 VOMATEX developed the first version of the VOMAT bristle cover which made the ironing of velvety fabrics much easier and cheaper.

Using this special cover makes it possible to iron velvet without shining marks. Simply put the fluffy side of the fabric on the bristle side of the cover and iron the left side (inside) of the clothing. The right side will remain fluffy while the left side can be ironed smooth and even.

Special silicone pads are used as pressure compensating pads for shaping, thermo printing, fusing and shirt presses. The excellent German quality silicone is heat resistant up to 250°C. The pads have a smooth surface and are available from stock in three hardnesses and many different thicknesses.



The innovative Teflon/silicone multilayer steam hose VM 2 avoids condensation of the steam due to the smooth surface of the inner Teflon wall. Its ingenious design prevents from water dripping out of the iron even after a short working break.

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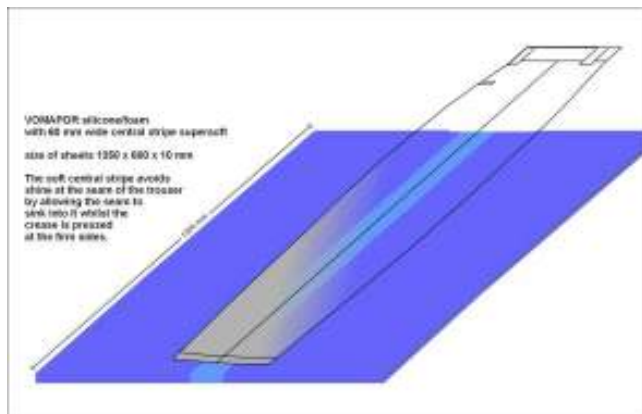
## Specialist for heat and pressure resistant materials

VOMATEX has big knowledge and experience with all kinds of temperature resistant silicone foams which are able to cushion the pressure on your machines. For ultimate durability the foams should be made of 100% silicone but as silicone is quite expensive and difficult to make it permeable for air or steam the most important silicone/foam is our VOMAPOR which is resisting temperatures of up to 230°C and offers an excellent permeability.



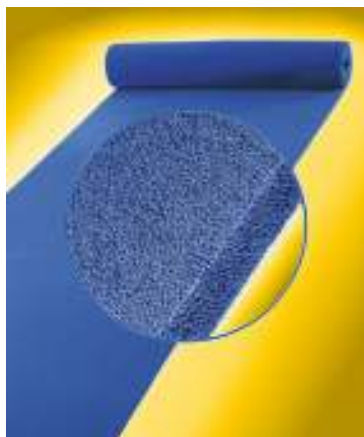
## Developing solutions

A very special development is the VOMAPOR with supersoft central stripe for ironing trouser creases. It avoids problems with shine at the side seams especially at dark trousers.



VOMAPOR silicone/foams are produced in a modern factory in Germany with a patented silicone penetration technique using ultrasound vibrations.

This technique guarantees that the 98% open pores of the base PU-foam remain apertured for an extraordinary permeability. It also prevents from the formation of air bubbles between the silicone coating and the foam base. Pressing a conventional silicone coated foam will destroy the homogeneous silicone surface due to bursting air bubbles which reduces the heat resistance and the lifetime of the foam. VOMAPOR silicone/foams avoid these air bubbles, extend the replacement interval and provide a constant ironing quality.



In contrast to cheap imitations we are using only best silicone gels in our advanced production process which guarantees the long lifetime and durable elasticity of VOMAPOR. Unlike other silicone/foams there is no cheap, inelastic silicone powder inside VOMAPOR.

Moreover you can trust that there are no hazardous chemicals inside VOMAPOR. It is very important that no harmful substances will be transmitted, e.g. when you are pressing clothing on a garment press. VOMAPOR does not endanger the health of the consumer and your staff and helps to preserve the environment.

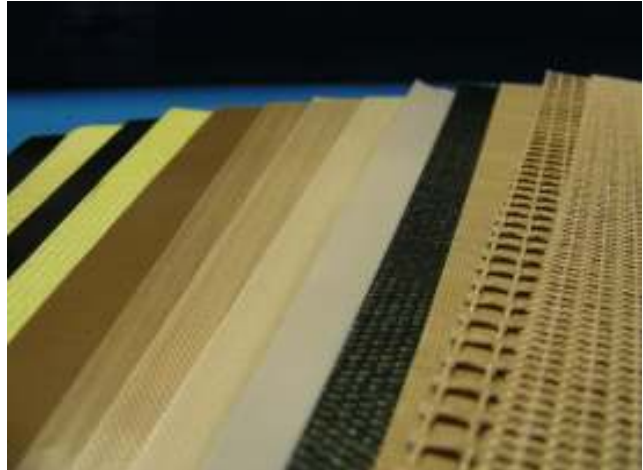
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## Transport belts

VOMATEX offers a wide range of fabrics to manufacture transport belts. Most of them are PTFE coated fabrics which are mainly used for fusing machine transport belts.



In the past the standard transport belts were made of welded PTFE coated glass fabric. Those belts are still available with many different guidings and connections from the common overlap connection to a smooth and almost invisible grinded connection.

Today the most advanced PTFE coated transport belts are endless woven and have no seam.

Usually they are made of PTFE coated glass fabric because of the good heat transfer and the excellent cost-benefit ratio.

The more expensive PTFE coated Kevlar belts offer extraordinary lifetime due to the durable and flexible Kevlar fabric which is recommended for machines with small roller diameters.



Besides fusing we also supply transport belts for cooling or steaming.

If you have any need for transport belts please send us your inquiry with dimensions or a technical drawing and we will be pleased to submit you a favourable offer.

For more information about our wide range of transport belts please ask for the special PTFE catalogue.

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## How good is VOMATEX compared to other suppliers?

When you are producing clothing today you are forced to question each purchase in order to save cost and stay competitive. On the other hand you need to take care about the quality and the look of your product because your customers will demand price reductions for any visible fault.

Ironing is a very important step in the production of clothing with internationally accepted quality. The ironing tables and presses need to be equipped with excellent coverings to achieve the desired ironing result.

Most of these machines have silicone/foams as paddings which can offer good steam distribution and heat resistance. They are available at a variety of different hardnesses and thus can be selected according to the special requirements of the clothing.

Unfortunately now there are cheap imitations of the common silicone/foams on the market being of inferior quality and longevity.



As the differences are not visible from the unused material we made a laboratory comparison of three different silicone/foams:

- A new Chinese product
- The most advanced silicone/foam VOMAPOR from VOMATEX
- An ordinary silicone/foam of European origin

The samples were selected by almost identical hardness, look and grip just like an average technician would decide that the different materials were almost identical. During the trial the three silicone/foams were tested for

1. the hardness
2. the expansion tearing
3. the pre compression set




These tests were executed on the untreated original materials and on samples treated in heat ovens with repeated influence of steam for 72 days. The first oven was constantly heated to 70°C, the second to 120°C.

Following charts are showing the disappointing results for the new Chinese product and the superior quality of the VOMAPOR.

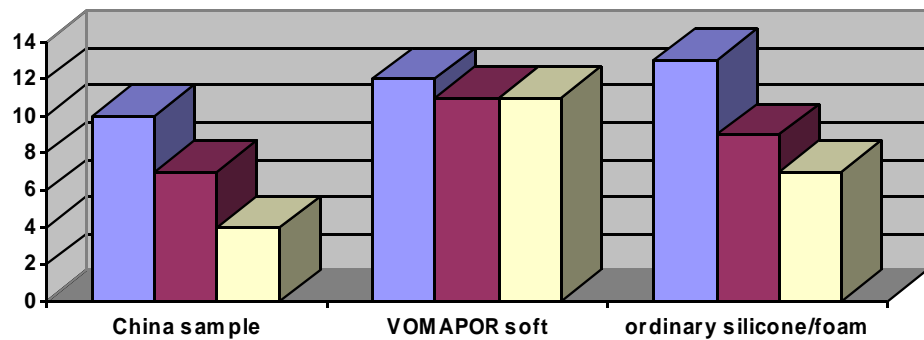
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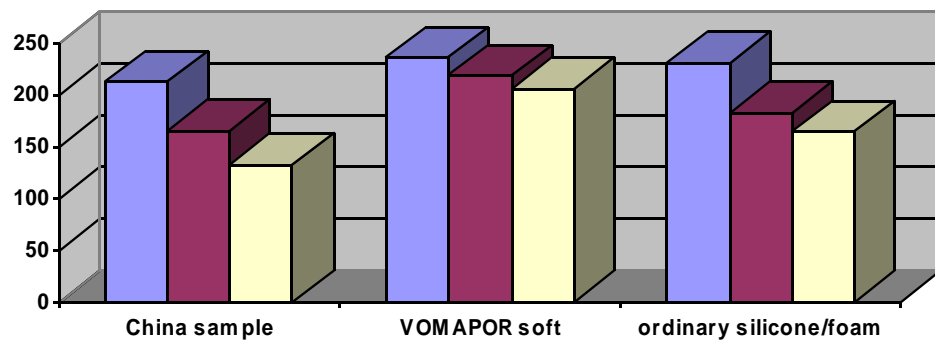
## Laboratory analysis of silicone/foams

Originally  after 72 days / +70°C  after 72 days / +120°C 

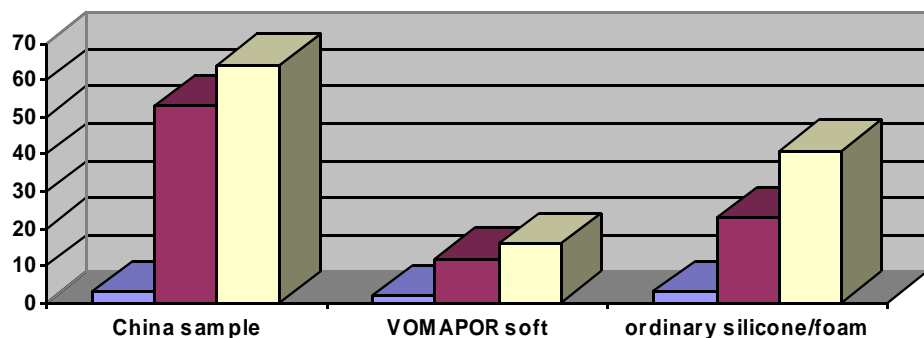
### 1. Reducing of the hardness upon influence of heat and steam



### 2. Change of the expansion tearing upon influence of heat and steam



### 3. Increasing of the pre compression set upon influence of heat and steam



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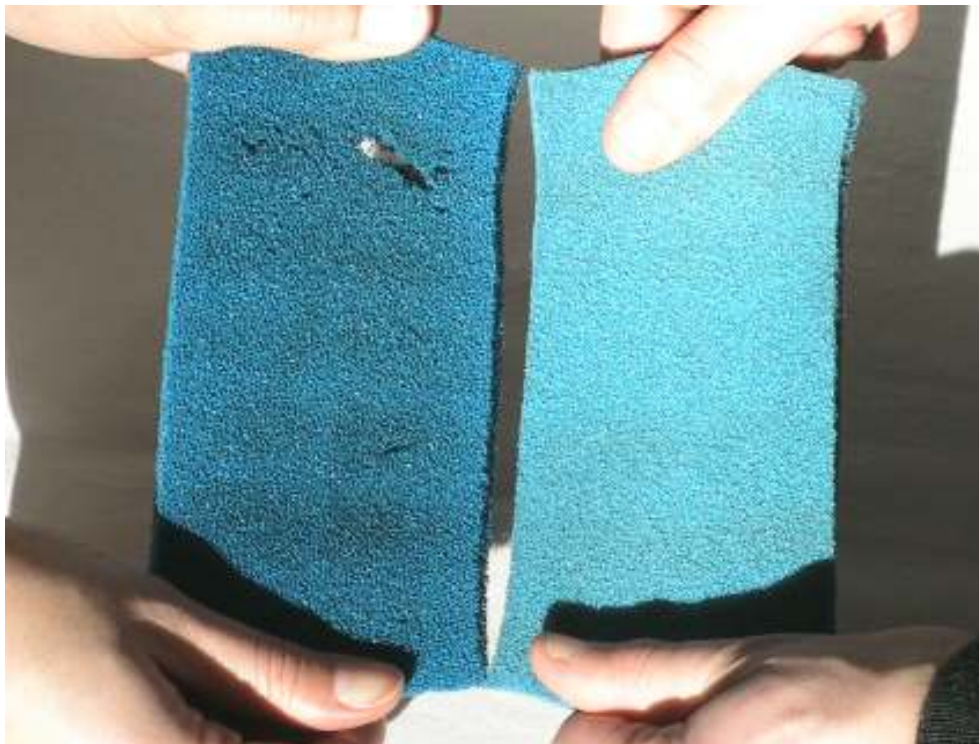
## Leading supplier of high quality coverings

As you can see only the VOMAPOR silicone/foam keeps the necessary physical stability and for this reason offers a constant ironing result on ironing tables or presses.

The ordinary silicone/foam needs to be replaced more often and therefore causes more machine breakdown time. Finally the Chinese sample is very disappointing and can not be advised for industrial ironing and pressing.

The big differences in longevity can be explained by the bad raw materials and inferior production methods of the inferior Chinese material on the one hand and excellent raw materials and most advanced production technology for the VOMATEX product VOMAPOR on the other hand.

You may detect inferior silicone/foams yourself by heating them to 180°C for at least half an hour. Then you will find inferior material to tear easily whilst the good quality will continue to be elastic just as shown in below picture.



*The picture shows on the left hand an inferior silicone/foam and on the right hand the VOMAPOR silicone/foam from VOMATEX.*

*Both samples were put into an oven constantly heated to 180°C for half an hour. The inferior material is tearing whilst the VOMAPOR is still elastic.*

VOMATEX is continually developing new and advanced products in order to increase the efficiency of ironing, to improve the look of the finished clothing and to reduce expensive shut down times of the machines. For any information about the VOMATEX range of high quality products or at questions and problems related to your coverings please do not hesitate to contact us.