Gütermann

FLEXIBLE TO THE SMALLEST SEAM



Maraflex - goes along with every movement

The perfect seam - it should be elastic and meet the requirements of daily life at the same time. In order to maintain the elasticity of knitted fabric and highly elastic woven fabric during processing, stitch density as well as the stitch type are important. With Maraflex by Gütermann you optimise your thread consumption and obtain nice, elastic seams.

The seam competence since 1864.

The seam competence since 1864.

Gütermann

www.guetermann.com
Headquarters: Gütermann GmbH | 79261 Gutach-Breisgau, Germany | Tel.: +49 7681 21-0 | Fax: +49 7681 21-449

027790 I 1001169.1615/0,2

Pretty elastic

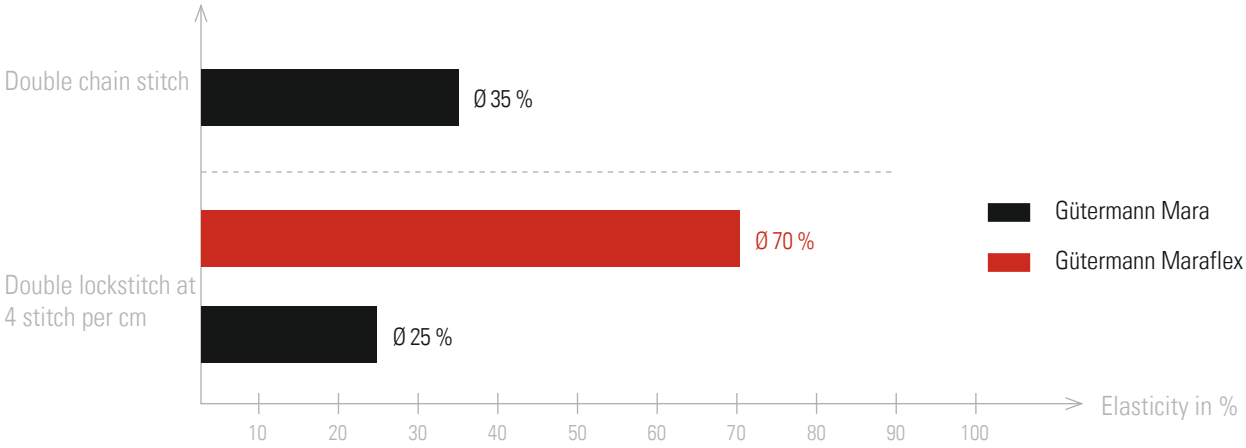


Overstretching - and how it can be avoided

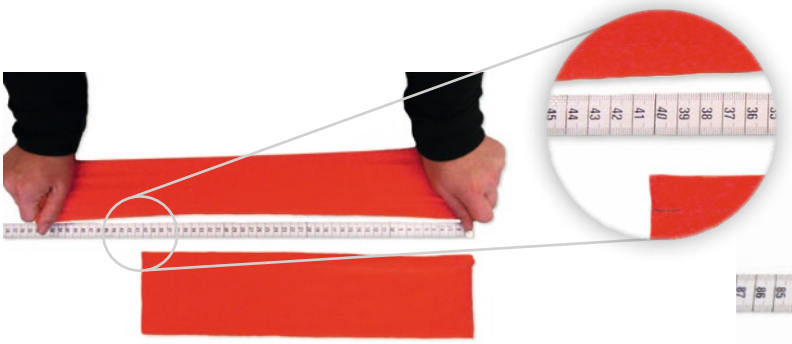
The trend towards using elastic fabrics even in the classic clothing industry is continuously increasing. This is due to the growing demand on the high level of comfort, which is reflected in the new fit “Modern Fit“. Whether everyday clothes or sports clothes - each piece of clothing should have a high resistance and being comfortable above all. However, conventional seams do not usually have the desired elasticity. The solution is Maraflex. This highly elastic thread does not compromise the cut design construction and the seam construction.

Maraflex - for added elasticity

Comparison of the seam stretch of different stitch types - Maraflex and Mara



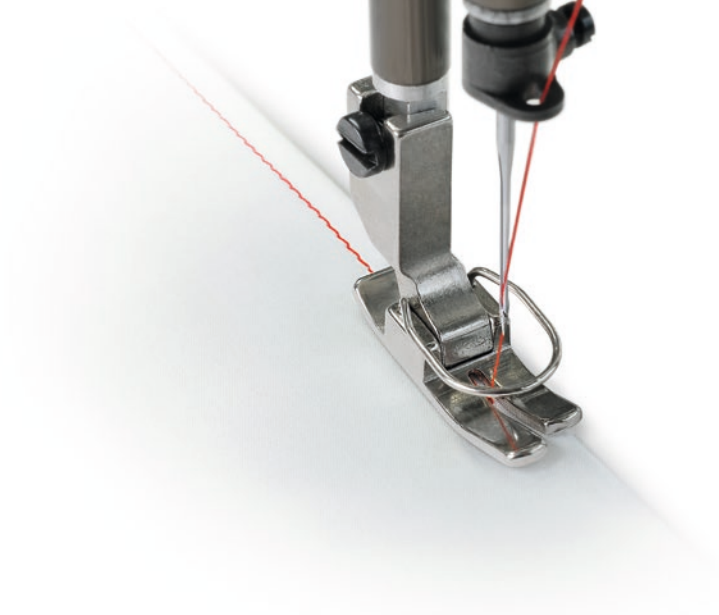
Maraflex was specifically developed for the use on both lockstitch and chain stitch machines when stitching highly elastic fabrics. Maraflex is the reliable partner when it comes to lockstitch operations as Maraflex is ideally suited to both upper and bobbin thread. In addition highly elastic decorative seams are possible without compromising the appearance.



Maraflex stitching: un-stretched 40 cm



Maraflex stitching: stretched about 73 cm.
This results in an elongation of over 80% without yarn break!



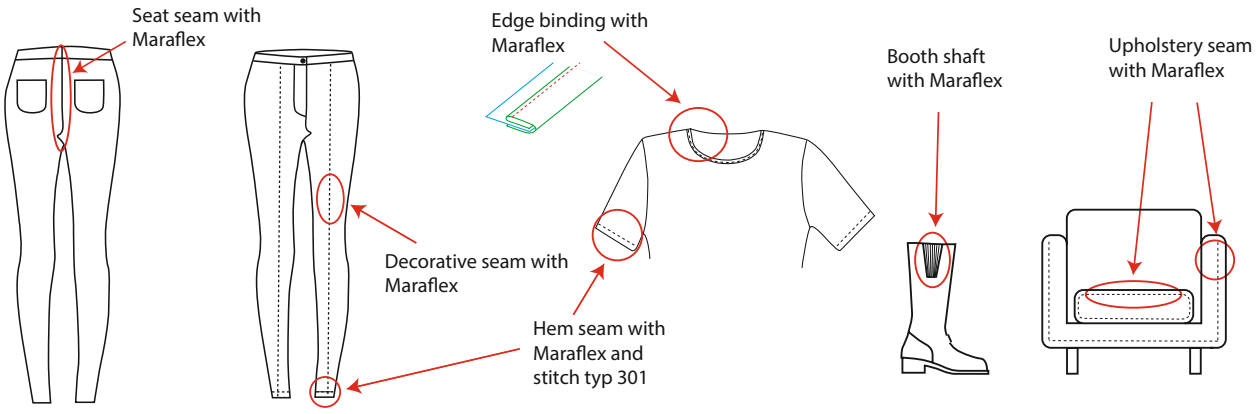
The thread reserve - Basis of individual elasticity

In order to achieve excellent sewing results, not only the elasticity of the fabric has to be known - having sufficient thread reserve is decisive for increasing the elasticity. Generally speaking: The higher the stitch density, the higher the thread reserve which can also be influenced by the stitch type. When comparing a lockstitch seam to the double chain stitch, it is clear that the latter has substantially higher thread reserve due to its construction. Therefore the double chain stitch seam has far more flexibility. Many designers take advantage of this fact mainly in the area of the crotch and seat seam. Unfortunately, you will quickly reach the limit of the extensibility therefore the material and the design can be compromised.

This all changes with the use of Maraflex. The thread is made from high elastic polyester filament that has built in intrinsic elasticity that is ideal for highly elastic seams. It develops its full elasticity already with low stitch densities even when sewn in double lockstitch construction. This is specially so when processing fine materials - which increasingly dominates the fashion of today - where it becomes an advantage because of the use of less thread on this materials. In short: Maraflex permits flexible seams without compromising the thread design.



Some examples of use for Maraflex



Tipps to work with Maraflex:

- **Storage:** the thread should be stored for 24 hours before used in the factory or under the same climatic conditions.
- **Needle:** can vary only minimally. Thin needles lead to loose of elasticity.
- **Sewing speed:** Maraflex can be processed perfectly to 2,300 stitches per minute.
- **Thread guide:** use so many deviation points as possible until the thread runs calm into thread tension. The thread guide elements have to be undamaged.
- **Tension:** depending on the machine and the material used, the tension must be set to the lowest possible value.