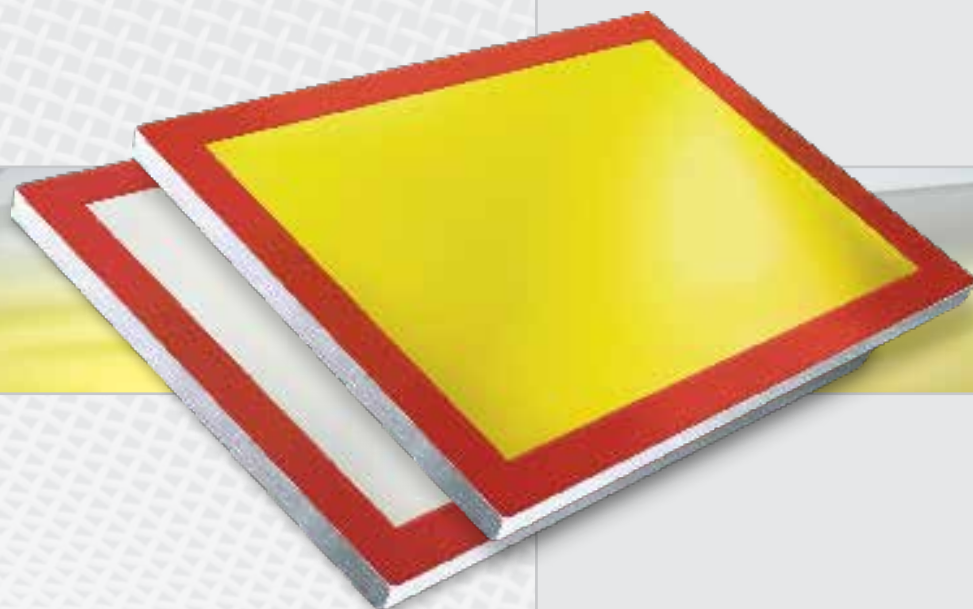
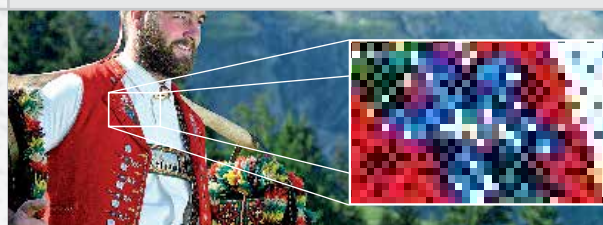


swiss  
mesh  
technology



The screen printing mesh  
that meets the highest  
demands



Printing Solutions  
SEFAR® **LFM**

**S E F A R**  
■ ■ ■ ■

## SEFAR® LFM

### A small difference with a huge effect



Checking the mesh tension with SEFAR® Tensotest 100: Equal high tension, less tension loss than conventional meshes

SEFAR® LFM was designed to meet the highest demands for printing on expansive surfaces like large format posters, textile transfer printing (sublimation), glass, etc. as well as improve the ink flow when printing with UV, translucent, or other difficult inks. Even challenging colours and designs reproduce with top printing quality.

#### Finer threads and larger, uniformly precise mesh openings

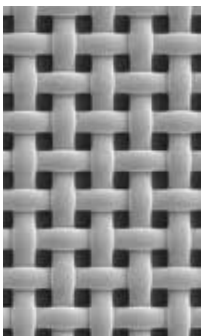
Mesh for large format printing has traditionally been woven from threads with a diameter of 34 microns. With its reduced thread diameter – just 32 microns – SEFAR® LFM has remarkably larger mesh openings and hence an increased open surface area. But that is not all: not only are the mesh openings larger, a modified weaving process makes them more precise as well.

Printing with translucent and other sensitive inks does not leave traces of the mesh structure, lines and stripes. The new mesh design produces more uniform ink deposit, finer colour-value gradation, and sharper-edged fine lines and screen dots. Increased reproducibility on subsequent print runs is another quality feature of SEFAR® LFM.

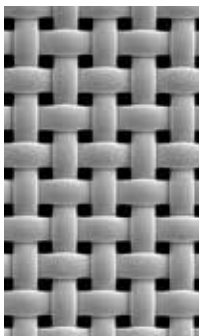
#### Extra-strong thread, specially developed for Sefar

SEFAR® LFM mesh uses a novel thread material that has been specially developed for Sefar and offers some outstanding characteristics:

- 32 micron thread diameter
- Exceptionally high resistance to tearing
- Minimal elongation
- Modest loss of tension



Mesh-opening with SEFAR® LFM 150-32 PW (1:1)



Mesh-opening with standard high-modulus mesh 150-34 PW (1:1)



printed with SEFAR® LFM 150-32 (20x magnification)



printed with standard high-modulus mesh





#### Minimal elongation and modest loss of tension

The greater the mesh elongation, the greater the loss in thread count. SEFAR® LFM elongates less than existing screen printing meshes, which helps to maintain the thread count of the stretched mesh. That guarantees better resolution, along with increased printing quality, and less risk of moiré effects. Because this mesh is subject to considerably less relaxation in tension, the same stencil can be used more often and/or for longer print runs, which helps to reduce costs.

#### High-strength mesh

The new, 32 µm diameter LFM thread is practically as tear-resistant as conventional 34 µm thread. So despite the thread and mesh being finer, stretching requires no changes to the existing process.

#### Thin mesh with special surface treatment

Finer threads make thinner mesh. Yet ink consumption is the same despite the increased open surface, which has particular economic relevance with UV inks. LFM mesh features a special Sefar surface treatment. This means:

- Better adhesion of the stencil material, so fine screen dots and lines stay firmly attached
- Improved ink release characteristics and uniform ink deposit
- No mesh degreasing necessary, rinsing suffices
- Longer stencil life

#### The benefits at a glance

- Optimal range of meshes for printing with UV inks
- SEFAR® LFM guarantees a uniform ink deposit, finer colour-value gradation, reduced risk of moiré, improved edge sharpness, and better reproducibility on subsequent print runs
- Special Sefar surface treatment streamlines stencil production, improves adhesion of the stencil material, and results in a uniform ink deposit along with extremely high printing quality
- SEFAR® LFM increases process reliability and stencil life, while reducing costs



*The adhesion test proves it: stencil material adheres very well; fine screen dots and lines stay firmly attached*



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