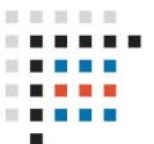




SEFAR® PET 1500

High-modulus mesh woven from monofilament polyester,
with extra-adhesion surface

**Economical and high-quality printing results
for professional demands**



SEFAR

Economical and high-quality printing results for professional demands – SEFAR® PET 1500

SEFAR® PET 1500 streamlines routine operations

Routine is not what it used to be: Technology is racing ahead, quality demands are on the rise, yet there is strong commercial pressure to rationalize and lower the cost of production.

SEFAR® PET 1500 is a development of our popular SEFAR® PET 1000 mesh and shares the same, well-known characteristics:

- High tension
- Minimal relaxation
- Excellent dimensional stability
- Close tolerances

To this we have added an innovative surface treatment for optimal wettability, which improves adhesion of the stencil material.

Sefar customers benefit from better stencils that keep on performing over extended print runs with excellent quality, at lower cost and with a shorter stencil-making process. SEFAR® PET 1500 has proved itself in extensive field tests in the graphics industry, in particular with large-format printing with UV inks and printing onto flat glass.

SEFAR® PET 1500 has the same mesh geometry as SEFAR® PET 1000, so users of this mesh generation can easily transfer to SEFAR® PET 1500.

The benefits

- No need to degrease the mesh
- Stencil material adheres better
- Improved ink flow and higher-quality printing results
- Longer stencil life
- Simpler handling during stencil-making
- More economical
- Eco-friendly



SEFAR® PET 1500:
uniform wetting



Untreated high-modulus fabric:
nonuniform wetting

A test with dyed water clearly reveals the difference in wetting characteristics

Eliminates mesh degreasing

SEFAR® PET 1500 accelerates and simplifies stencil-making: the mesh is already degreased. Degreasing remains unnecessary as long as the mesh does not contact fats, oils, perspiration or similar substances during the stretching and coating processes. No degreasing means process cost savings. SEFAR® PET 1500 users benefit from shorter job processing times and lower-cost stencils. Under some circumstances, new screens can be coated right away, skipping the rinsing process. This saves labor costs, chemicals and water. SEFAR® PET 1500 makes both ecological and business sense.

Stencil material adheres better

Thanks to the polyester fabric's improved wettability, the water film persists longer and the emulsion distributes itself more evenly over the mesh. This improves process reliability in conjunction with indirect films, capillary films, emulsions or combined applications. Under ideal working conditions, the wetting agent used in capillary film transfer can be eliminated.

Improved adhesion firmly retains screen dots and fine lines, considerably prolonging stencil life. The mesh retains this excellent adhesion characteristic even after multiple use.



Tape test with SEFAR®PET 1500

The absence of emulsion on the adhesive tape is proof of SEFAR®PET 1500's excellent adhesion characteristics



Mesh without surface treatment: part of the emulsion are remaining on the tape

High-quality printing results

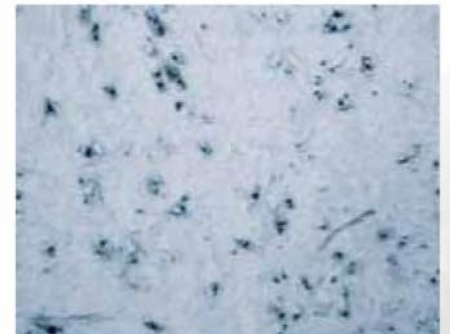
SEFAR® PET 1500 significantly improves printing quality. Improved ink release results in greater ink layer uniformity, for a better result.

Coupled with enhanced ink flow, it is possible to maintain closer tolerances in the critical area of light transmission, even over long print runs.



Ink deposit with SEFAR® PET 1500

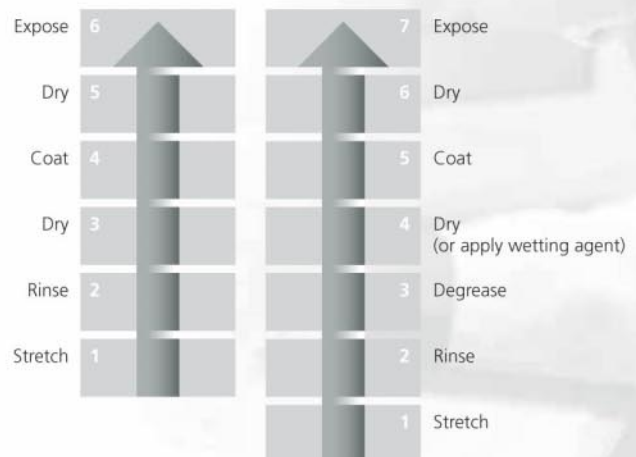
The picture shows the more uniform inkdeposit with SEFAR® PET 1500



Ink deposit with untreated high-modulus mesh

More economical

The reasons are self-evident: An optimized stencil-making process saves costs (no degreasing). Improved wettability and more uniform emulsion distribution increases stencil life and hence productivity. Field tests have also revealed that SEFAR® PET 1500 reduces the phenomenon of ghost images. Mesh stays cleaner, even after multiple stripping and coating. It all adds up to longer mesh life.



SEFAR® PET 1500 features a novel surface treatment and does not require degreasing

High-modulus untreated mesh

SEFAR® PET 1500 – the benefits at a glance

- No need to degrease the mesh
- Stencil material adheres better
- Improved ink flow and higher-quality printing results
- Longer stencil life
- Simpler handling during stencil-making
- More economical
- Eco-friendly



"It's great being able to deliver higher quality at lower manufacturing cost."

Successful tests

Stema Specialtryck AB, Borås, Sweden, had this to say after testing SEFAR® PET 1500:

"Greater stencil quality and improved ink flow has helped us achieve considerable improvements to the standard of our output. Ink deposits stay more consistent through print runs. Area prints and halftones appear smoother. This new product makes tricky printing jobs easier to handle, something we really appreciate.

We have also seen how much simpler and more dependable our work has become in critical applications like back-lit and smooth, highly-saturated colored surfaces. Printed areas are also less susceptible to artefacts, including ghost images.

We will be losing no time switching our production to the new mesh. SEFAR® PET 1500 is a winner!"

Be Safe. Be Sefar.

www.sefar.com

Sefar Inc.
Printing Division
P. O. Box
CH-9425 Thal SG
Switzerland
Phone +41 71 886 32 32
Fax +41 71 886 35 91
E-mail printing@sefar.com

Sefar America Inc.
120 Mount Holly-By-Pass
PO Box 679
Lumberton, New Jersey 08048
USA
Phone (609) 613-5000
Fax (609) 267-1750
US only (800) 424-1401
E-mail mesh@sefaramerica.com
www.sefaramerica.com

Sefar Asia Pacific Co., Ltd.
SCB Park Plaza West, Tower II, 3F
18 Ratchadaphisek Road, Chatuchak
Bangkok 10900, Thailand
Phone +66 2 937 5624-8
Fax +66 2 937 5647
E-mail sales@sefarap.co.th