SEFAR® **LFM**

SEFAR

Product description

SEFAR® LFM has been specially developed for large format graphic printing. The 32 µm yarn offers a large open area while retaining an excellent tensile strength. When a constant application of color is maintained over the entire surface, fine tonal gradations can be realized having excellent edge sharpness. Moiré risks are significantly reduced. It can be used with any screen printing stencil system.

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Mesh number	Mesh count [/cm]	Mesh count [/inch]	Thread diameter nominal [µm]	Weave	Tolerance of mesh count [± n/cm]	Mesh opening [µm]	Open area [%]	Mesh thickness (woven) [µm]	Tolerance of mesh thickness [± µm]	Theoretical ink volume [cm^3/m^2]	Available mesh widths (Tolerance -0 / +6) [cm]									
											115	158	212	234	260	320				
150/380-32 PW	150	380	32	1:1	4.0	28	17	48	3	8	▽	▼	▼○	▼●	▼○	▽○				
140/355-32 PW	140	355	32	1:1	3.5	32	20	49	3	10	▽	▽	▼○	▼○	▼○					
120/305-32 PW	120	305	32	1:1	3.0	46	30	50	3	15		▼	▼							

In stock = ▼ ● Item on request = ▽ ○ Color: white = ● ○ yellow = ▼ ▽ Subject to change without notice

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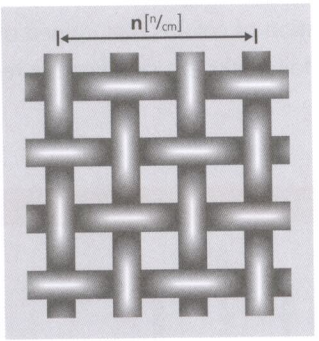
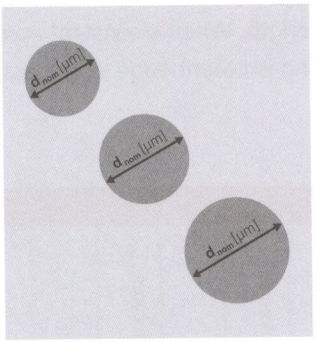
Definitions

150/380-32 Y PW
150/**380**-32 Y PW
150/380-**32** Y PW
150/380-32 **Y** PW
150/380-32 Y **PW**

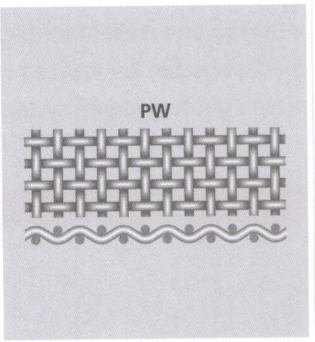
Mesh number
Mesh count $^{n}/_{cm}$ **150**/380-32 Y PW
Mesh count $^{n}/_{inch}$ 150/**380**-32 Y PW
Thread-Ø d_{nom} 150/380-**32** Y PW
Fabric color 150/380-32 **Y** PW
Type of weave 150/380-32 Y **PW**
(white = W, yellow = Y)



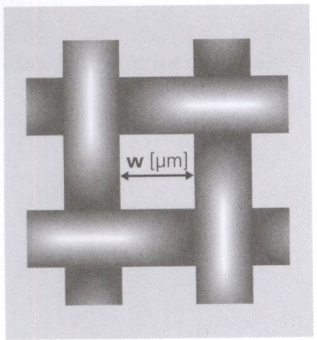
Mesh count n [$^{n}/_{cm}$]
The mesh count **n** stands for the number of threads per cm or inch. The tolerance is the defined range of the statistically ascertained mean values of mesh counts.



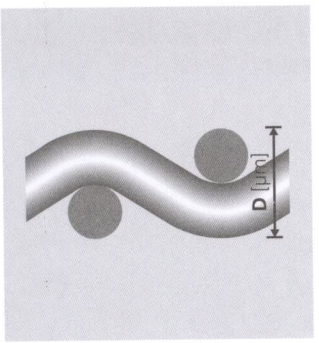
Thread diameter nominal
$\mathbf{d_{nom}}$ [µm]
The diameter $\mathbf{d_{nom}}$ is measured on the thread before weaving.



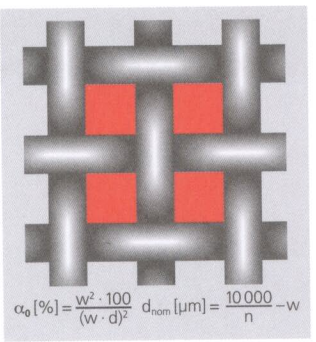
Weave
The type of weave is **PW** (Plain weave 1:1).



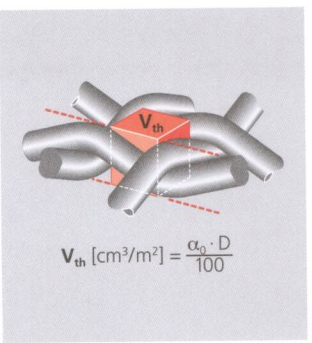
Mesh opening w [µm]
The mesh opening **w** is the distance between two adjacent warp or weft threads.



Mesh thickness D [µm]
The mesh thickness **D** is measured according to DIN 53855-1.
The tolerance is the defined range of the statistically ascertained mean values of mesh thickness.



Percentage of open area α_0 [%]
The percentage of open area α_0 is the sum of all mesh opening areas expressed as a percentage of the total screen area. It is calculated from the mean value of mesh openings and the actual diameter of the threads.



Theoretical ink volume
$\mathbf{V_{th}}$ [cm^3/m^2]
The theoretical ink volume $\mathbf{V_{th}}$ is calculated from the mesh thickness **D** and the percentage of open area α_0.

The abrevations correspond with DIN Norm 16 611. All values correspond to unstretched mesh.

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