

SEFAR® LFM

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 [cm³/m²]	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 = ▼▽

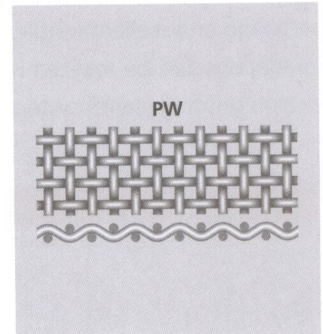
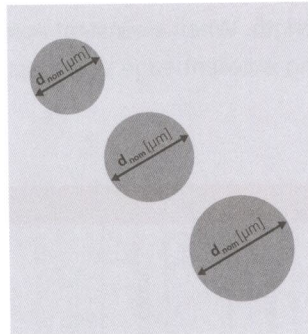
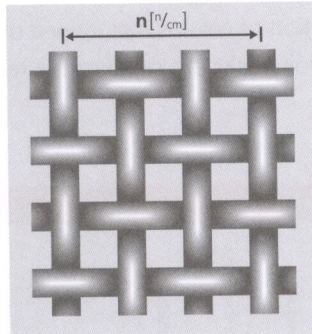
Subject to change without notice



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Definitions

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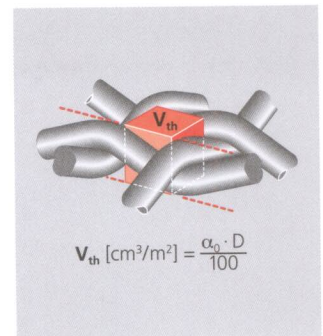
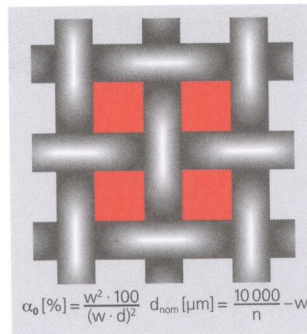
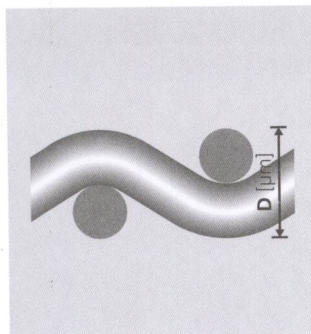
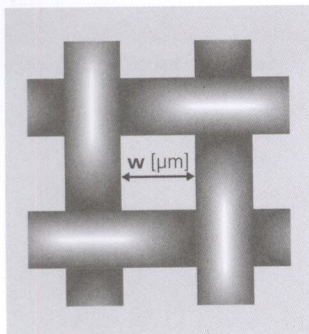


Mesh number
 Mesh count $1/cm$ 150/380-32 Y PW
 Mesh count $1/inch$ 150/380-32 Y PW
 Thread- \varnothing d_{nom} 150/380-32 Y PW
 Fabric color 150/380-32 Y PW
 Type of weave 150/380-32 Y PW
 (white = W, yellow = Y)

Mesh count n [$1/cm$]
 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 d_{nom} [μm]
 The diameter 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_o [%]
 The percentage of open area α_o 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 V_{th} [cm^3/m^2]
 The theoretical ink volume V_{th} is calculated from the mesh thickness D and the percentage of open area α_o .

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

Note
 The product data stated here and our advice on application technology, in verbal and written form and on the basis of tests and experiments, are provided to the best of our knowledge and belief; however, this information must be regarded as non-binding. It is based on our current knowledge and experience, and on standardized process and test conditions as per DIN standards 16610 / 16611 / 53804 / 53855-1 and ISO 13934. As many variations may occur due to each specific application, we are unable to provide an overall assessment regarding the range of fluctuations for processes and follow-up processes (i.e. parameters, interactions with materials and machines used, and chemical reactions). For this reason, the parameters we recommend should be understood merely as values for guidance purposes. All the illustrations, descriptions, data, diagrams and tables, etc., shown here may change without prior notice, and they do not represent the contractually agreed characteristics of the product. It is impossible for us to have control over the post-processing of our products, so the user is solely responsible in this regard. Our products are sold and distributed in accordance with the latest version of our General Terms and Conditions of Sale and Delivery.



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