



**Product description**

SEFAR® PCF is a innovative, unique industrial pre-coated screen printing mesh. SEFAR® PCF consists of a Sefar high modulus screen printing mesh coated with a solvent resistant emulsion. SEFAR® PCF is specially developed for the production of top quality screen printing stencils, and for their subsequent use for the most challenging screen printing applications.

**SEFAR® PCF FC**

Mesh number	Mesh count [cm]	Mesh count [inch]	Thread diameter nominal [µm]	Weave	Coating	Mesh widths/Emulsion width [cm]	Mesh widths/Emulsion width [cm]	Mesh widths/Emulsion width [inch]	Mesh widths/Emulsion width [inch]	Emulsion over mesh (EOM) [µm]	Emulsion type	Mesh length [cm]	Mesh length [inch]
180/460-27 Y PW	180	460	27	1:1	Fully coated	115/99	158/142	45/39	62/56	3	Diazo UV polymer	∞	∞
180/460-31 Y TW	180	460	31	2:2	Fully coated		158/142		62/56	4	Diazo UV polymer	∞	∞
165/420-27 Y PW	165	420	27	1:1	Fully coated		158/142		62/56	4	Diazo UV polymer	∞	∞
165/420-31 Y PW	165	420	31	1:1	Fully coated	115/99	158/142	45/39	62/56	4	Diazo UV polymer	∞	∞
150/380-31 Y PW	150	380	31	1:1	Fully coated		158/142		62/56	7	Diazo UV polymer	∞	∞
150/380-31 Y PW	150	380	31	1:1	Fully coated	115/99	158/142	45/39	62/56	4	Diazo UV polymer	∞	∞
140/355-31 Y PW	140	355	31	1:1	Fully coated		158/142		62/56	7	Diazo UV polymer	∞	∞
140/355-31 Y PW	140	355	31	1:1	Fully coated	115/99	158/142	45/39	62/56	4	Diazo UV polymer	∞	∞
140/355-34 Y TW	140	355	34	2:1	Fully coated		158/142		62/56	6	Diazo UV polymer	∞	∞
140/355-34 Y PW	140	355	34	1:1	Fully coated		158/142		62/56	4	Diazo UV polymer	∞	∞
120/305-31 Y PW	120	305	31	1:1	Fully coated		158/142		62/56	5	Diazo UV polymer	∞	∞
120/305-34 Y PW	120	305	34	1:1	Fully coated		158/142		62/56	8	Diazo UV polymer	∞	∞
120/305-34 Y PW	120	305	34	1:1	Fully coated	115/99	158/142	45/39	62/56	5	Diazo UV polymer	∞	∞

The physical properties of SEFAR® PCF correspond to those of SEFAR® PET 1500.

**SEFAR® PCF CD (Compact disc/optical disc)**

This product is available customized on request. Alternatively with our standard emulsion or as HS (High speed) version.

**SEFAR® PCF PC (Partially coated)**

This product is available customized on request. Alternatively with our standard emulsion or as HS (High speed) version.

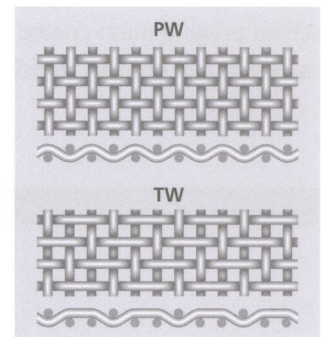
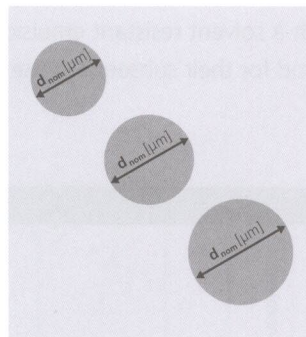
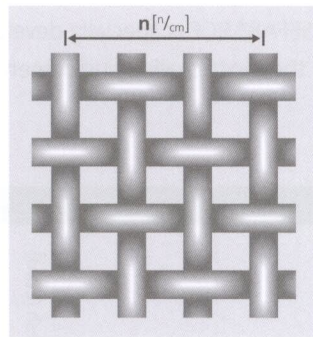
**Roll lengths**

Identification of sales roll	Roll length including tolerance
Invoiced length	30 m +/-20 m
Gross Length	30 m +40/-20 m



Definitions

165/420-27 Y PW  
 165/420-27 Y PW  
 165/420-27 Y PW  
 165/420-27 Y PW  
 165/420-27 Y PW



Mesh number

Mesh count  $n_{cm}$  165/420-27 Y PW  
 Mesh count  $n_{inch}$  165/420-27 Y PW  
 Thread- $\varnothing$   $d_{nom}$  165/420-27 Y PW  
 Mesh color 165/420-27 Y PW  
 Type of weave 165/420-27 Y PW  
 (white = W, yellow = Y)

Mesh count  $n$  [ $n_{cm}$ ]

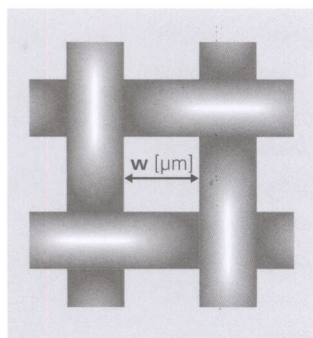
The mesh count  $n$  stands for the number of threads per cm or inch. The tolerance is the defined range of the statistically ascertained mean values of mesh counts.

Thread diameter nominal

$d_{nom}$  [ $\mu m$ ]  
 The diameter  $d_{nom}$  is measured on the thread before weaving.

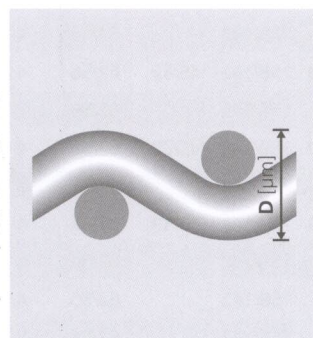
Weave

The type of weave is either PW (plain weave 1:1) or TW (twill weave 2:1, 2:2)



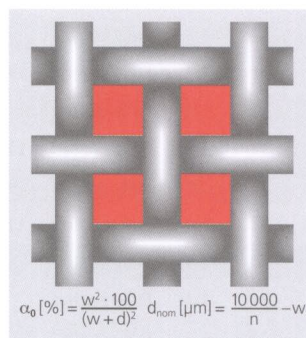
Mesh opening  $w$  [ $\mu m$ ]

The mesh opening  $w$  is the distance between two adjacent warp or weft threads.



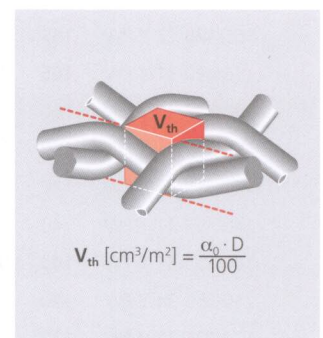
Mesh thickness  $D$  [ $\mu m$ ]

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.



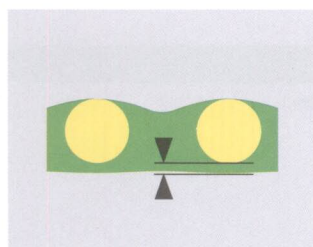
Percentage of open area  $\alpha_0$  [%]

The percentage of open area  $\alpha_0$  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

$V_{th}$  [ $cm^3/m^2$ ]  
 The theoretical ink volume  $V_{th}$  is calculated from the mesh thickness  $D$  and the percentage of open area  $\alpha_0$ .



Emulsion over mesh  $eom$  [ $\mu m$ ]



Open only in yellow light conditions!

Pre-coated mesh must be stored and processed under yellow light conditions.

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 13934-1. 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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