



SEFAR® PME

Product description

SEFAR® PME is the screen printing mesh for use in the industrial environment. It is based on an innovative, high modulus polyester yarn developed by Sefar having extraordinary tensile strength combined with very low and evenly-balanced elongation. SEFAR® PME sets new standards in the stencil making process. Its quality printing results are hugely impressive in the most demanding and innovative printing applications.

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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	142	158	212	234	288	316
150/380-30 PW	150	380	30	1:1	3.0	30	20	44	2	9	▼	▼	▼		▽	▽	▽
140/355-30 PW	140	355	30	1:1	3.0	35	24	44	2	11	▼	▼	▼				
130/330-30 PW	130	330	30	1:1	3.0	44	33	46	2	15	▼	▼	▼				
120/305-35 PW	120	305	35	1:1	3.0	42	25	52	2	13	▼●	▼●	▼●		▽○		
110/280-35 PW	110	280	35	1:1	3.0	53	34	53	3	18	○	▼●	▽				
110/280-30 PW	110	280	30	1:1	3.0	60	44	45	3	20			▽				
100/255-40 PW	100	255	40	1:1	2.5	57	32	61	3	20	▼●	▼●	▼●	○			
100/255-35 PW	100	255	35	1:1	2.5	61	37	51	3	19	▽	▽	▽				
71/180-48 PW	71	180	48	1:1	2.0	90	41	77	3	31	▼	▽	▼				

In stock = ▼● Item on request = ▽○ Color: white = ●○ yellow = ▼▽

Subject to change without notice

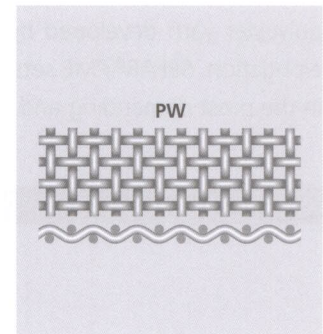
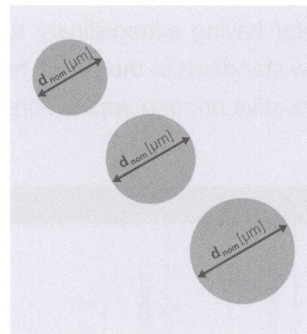
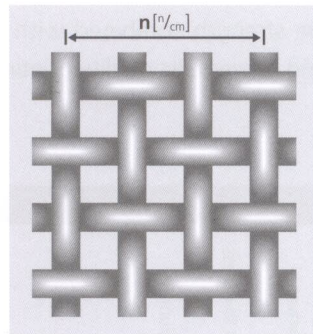
Roll lengths

Identification of sales roll	Roll length including tolerance
4AS140030P158Y0D	25 m +/-2,5 m
4AS140030P158Y0G	50 m +/-5 m
4AS140030P158Y0L	20 m +2,49 m/-19,9 m
4AS140030P158Y0F	40 m +30 m/-12,49 m



Definitions

140/355-30 Y PW
 140/355-30 Y PW
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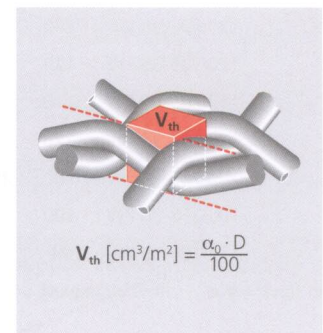
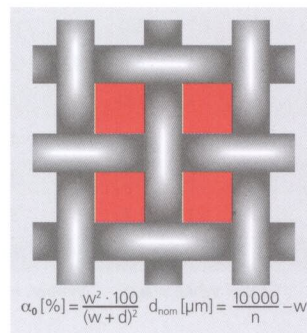
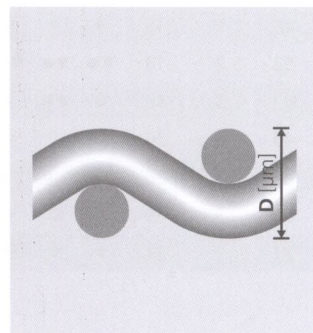
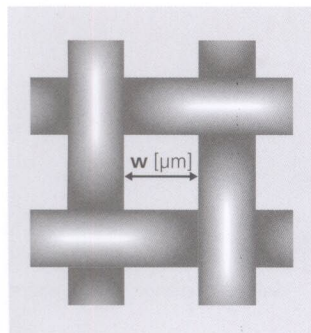


Mesh number
 Mesh count n_{cm} 140/355-30 Y PW
 Mesh count n_{inch} 140/355-30 Y PW
 Thread-Ø d_{nom} 140/355-30 Y PW
 Mesh color 140/355-30 Y PW
 Type of weave 140/355-30 Y PW
 (white = W, yellow = Y)

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} [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 13934-1. 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.



Sefar AG
 Hinterbissaustrasse 12
 CH-9410 Heiden
 Phone +41 71 898 57 00
 Fax +41 71 898 57 21
 printing@sefar.com
 www.sefar.com