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Mesh count (per cm/inch)	Type of weave (tw or pw)	Thread diameter (microns)	Mesh opening (microns)	Overall fabric thickness (microns)	% Open area	Theoretical ink deposit (cm ³ /m ²)	Mesh Weight (gsm)
8/20-300W	PW	300	950	560	57.8	323.5	169
10/25-260W	PW	260	739	498	54.6	272.0	158
12/30-140W	PW	140	688	256	68.2	174.7	55
15/40-200W	PW	200	465	353	48.6	171.5	141
18/45-180W	PW	180	375	330	45.5	145.5	128
21/54-140W	PW	140	333	250	49.0	122.5	96
24/60-120W	PW	120	294	210	49.7	104.3	81
Mesh count (per cm/inch)	Type of weave (tw or pw)	Thread diameter (microns)	Mesh opening (microns)	Overall fabric thickness (microns)	% Open area	Theoretical ink deposit (cm ³ /m ²)	Tension range (N/cm)
27/70-120W	PW	120	249	210	45.3	95.0	91
30/76-120W	PW	120	211	212	40.2	82.4	101
32/83-70W	PW	70	240	117	58.7	68.7	37
32/83-100W	PW	100	209	166	44.5	72.1	75
32/83-120W	PW	120	191	210	37.2	78.0	108
36/92-90W	PW	90	183	147	43.3	64.9	68
36/92-100W	PW	100	174	162	39.1	62.6	84
Mesh count (per cm/inch)	Type of weave (tw or pw)	Thread diameter (microns)	Mesh opening (microns)	Overall fabric thickness (microns)	% Open area	Theoretical ink deposit (cm ³ /m ²)	Tension range (N/cm)
40/103-80W	PW	80	166	133	44.1	58.6	60
43/110-80W	PW	80	149	130	40.8	53.0	64
45/115-80W	PW	80	138	130	38.7	50.3	67
48/123-80W	PW	80	122	130	34.5	44.8	72
48/123-55W	PW	55	151	90	52.8	47.5	34
51/131-70W	PW	70	121	114	38.1	43.5	58
54/137-64W	PW	64	115	103	38.7	39.8	51
61/156-64W	PW	64	90	101	30.1	30.4	58
68/175-55W	PW	55	85	87	33.5	28.4	48
68/175-64W	PW	64	78	98	28.2	27.6	65
72/180-55W	PW	55	79	90	31.5	28.4	51
77/195-48W	PW	48	77	80	35.0	28.0	42
Mesh count (per cm/inch)	Type of weave (tw or pw)	Thread diameter (microns)	Mesh opening (microns)	Overall fabric thickness (microns)	% Open area	Theoretical ink deposit (cm ³ /m ²)	Tension range (N/cm)
77/195-55W	PW	55	67	87	26.5	23.3	55
82/206-48W	PW	48	68	79	30.8	24.3	44
90/230-40W	PW	40	68	65	37.6	24.4	33
90/230-48W	PW	48	55	78	24.6	19.2	49
100/255-40W	PW	40	57	64	32.5	21.1	37
Mesh count (per cm/inch)	Type of weave (tw or pw)	Thread diameter (microns)	Mesh opening (microns)	Overall fabric thickness (microns)	% Open area	Theoretical ink deposit (cm ³ /m ²)	Tension range (N/cm)
110/280-34W	PW	34	54	55	35.2	19.3	31
110/280-40W	PW	40	47	65	26.6	17.3	40
120/305-34W	PW	34	45	55	29.6	16.3	34
120/305-40W	PW	40	37	64	20.1	13.0	44
130/330-34W	PW	34	40	55	26.9	14.3	37
140/355-34W	PW	34	31	55	19.4	10.6	39
150/380-34W	PW	34	23	55	12.1	6.6	42
165/420-31W	PW	34	23	62	13.9	8.6	46

Fabric number

The fabric number is composed of:

Mesh-count n **110-80W** PW
 (White = W; yellow = Y)

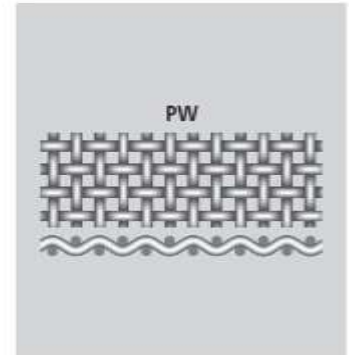
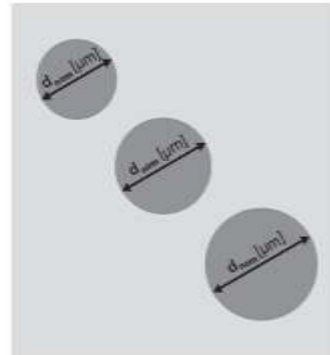
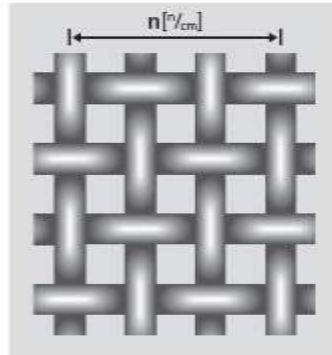
Thread ϕ dnom **110-80W** PW

Fabric colour **110-80W** PW

Type of weave **110-80W PW** (Plain Weave = PW)

Definitions

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



Mesh number

Mesh count n_{cm} 140/355-30 Y PW
 Mesh count n_{inch} 140/355-30 Y PW
 Thread- \varnothing 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 [$1/cm$]

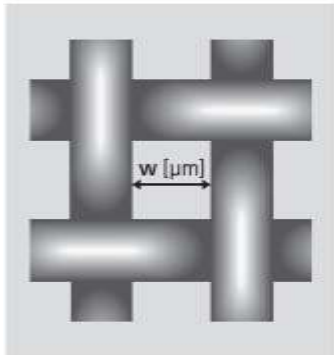
The mesh count n stands for the number of threads per cm or inch. The tolerance is the defined range of the statistically ascertained mean values of mesh counts.

Thread diameter nominal

d_{nom} [μm]
 The diameter d_{nom} is measured on the thread before weaving.

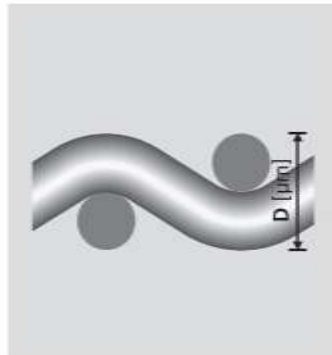
Weave

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



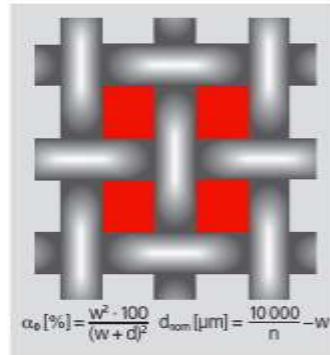
Mesh opening w [μm]

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



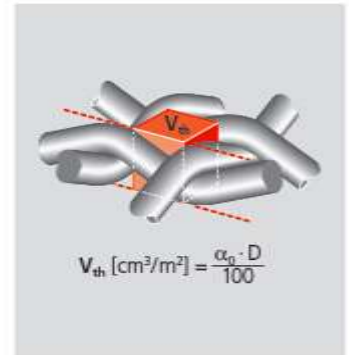
Mesh thickness D [μm]

The mesh thickness D is measured according to ISO 5084. 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 .