

MESH COUNT		TYPE OF WEAVE	THREAD DIAMETER	MESH OPENING	OPEN AREA	FABRIC THICKNESS		THEORETICAL INK DEPOSIT		SPECIFIC CROSS-SECTION	RECO. TENSION LEVELS
inch	cm	TW or PW	microns	microns	%	inches	microns	cm ² /m ²	cu in/sqyd	mm ² /cm	N/cm
17	6.5	PW	385	1180	58	0.0281	715	415	21.28	0.756	35-60
24	9.5	PW	280	810	55	0.021	533	293	15.02	0.585	35-60
30	12	PW	260	580	47	0.0191	485	228	11.69	0.637	35-60
38	15	PW	200	475	50	0.0143	365	183	9.57	0.471	35-60
46	18	PW	160	400	52	0.0112	285	148	7.62	0.362	35-60
54	21	PW	160	330	46	0.0108	275	127	6.51	0.422	35-60
61	24	PW	120	290	50	0.0085	216	108	5.57	0.271	35-60
61	24	PW	145	275	43	0.0096	245	105	5.21	0.396	35-60
74	29	PW	120	220	41	0.0086	218	89	4.54	0.328	35-60
74	29	PW	145	190	32	0.0094	240	77	4.02	0.513	35-60
81 SDE	32	PW	70	245	61	0.0043	110	67	3.31	0.123	24-26
86	34	PW	100	185	41	0.0068	173	71	3.64	0.267	35-40
96	38	PW	90	170	42	0.0063	161	68	3.47	0.242	35-40
110	43	PW	80	150	43	0.0052	132	57	2.88	0.216	35-37
125	49	PW	70	130	40	0.0045	116	46	2.28	0.188	30-34
140	55	PW	64	120	41	0.0041	105	43	2.2	0.176	26-31
158	62	PW	64	90	32	0.0041	106	34	1.66	0.199	30-34
180	71	PW	55	80	33	0.0036	91	30	1.53	0.168	25-30
196	77	PW	48	78	36	0.0031	80	29	1.48	0.139	24-26
196	77	PW	55	70	28	0.0035	90	25	1.28	0.182	27-32
230	90	PW	40	68	38	0.0024	62	24	1.23	0.113	20-24
230	90	PW	48	55	27	0.0032	81	22	1.08	0.162	27-29
241	95	PW	40	65	37	0.0026	65	24	1.23	0.119	22-24
255	100	PW	40	55	31	0.0025	64	20	1.02	0.125	26-28
255	100	PW	48	40	16	0.0032	81	13	0.66	0.181	30-34
280	110	PW	34	53	35	0.0022	56	20	1.02	0.099	22-24
280	110	PW	40	47	26	0.0027	69	18	0.92	0.138	25-30
305	120	PW	31	53	40	0.0019	48	19	0.97	0.09	21-24
305	120	TW	34	47	31	0.0025	64	20	1.02	0.108	24-26
305	120	PW	34	45	29	0.0021	54	16	0.82	0.108	24-26
305	120	PW	40	38	20	0.0026	67	13	0.66	0.15	27-32
305	120	TW	40	41	23	0.0028	70	16	0.82	0.15	27-32
330	130	PW	34	39	26	0.0021	55	14	0.71	0.118	24-27
330	130	TW	34	41	28	0.0024	60	17	0.87	0.118	24-27
355	140	PW	31	38	28	0.0019	48	13	0.66	0.105	20-22
355	140	PW	34	29	16	0.0022	56	9	0.46	0.127	23-26
355	140	TW	34	32	20	0.0024	60	12	0.61	0.127	23-26
380	150	PW	27	35	27	0.0017	44	12	0.61	0.085	17-20
380	150	PW	31	29	20	0.0019	49	10	0.51	0.113	22-24
380	150	PW	34	25	13	0.0022	56	7	0.35	0.136	25-27
380	150	TW	34	28	17	0.0023	61	10	0.51	0.136	25-27
420	165	PW	27	30	25	0.0018	46	12	0.61	0.094	17-21
420	165	PW	31	25	17	0.0019	49	8	0.41	0.125	24-26
420	165	TW	31	30	24	0.0024	60	14	0.71	0.125	24-26
420	165	TW	34	25	16	0.0026	66	10.5	0.53	0.149	24-28
460	180	PW	27	25	20	0.0017	43	8	0.41	0.103	18-22
460	180	TW	31	23	17	0.0022	56	9.5	0.48	0.136	23-27
508	200	TW	31	18	13	0.0023	60	8	0.41	0.151	23-27

PW: Plain Weave (1:1) **TW:** Twill Weave (1:2 – 2:2)

Other items available on request.

The above are average values measured on piece-good in relaxed state, manufactured with yarns of a perfect nominal diameter (cfr. international standards), under normal hygrometric conditions (20°C=68°F, 65% relative humidity). Specifications are subject to normal variations of ±3% on thread counts when conditions vary from those stated above. Hitech and Saatilene are registered trademarks of The Saati Group.

