

VIET AN IMPORT EXPORT TRADING MANUFACTURING LTD. CO

Detail Specification



Mesh Printing Italy

Viet An Import Export Trading Manufacturing Ltd. Co.
Address: 403 4th floor Building 01 An Loc. Road No. 15, An Phu Ward,
District 02 Ho Chi Minh City, Viet Nam
Tel : +84 - 8 22199250 Fax : +84 - 8 62818063
Cell Phone : : +84 97 6162 188
Website: saati.vn

Mesh Count Diameter (Mesh/cm μm)	Mesh Count (Mesh/inch)	Weave	Aperture (μm)	Thread Diameter (μm)	Opening (%)	Thickness (μm)	Thickness Tolerance (+/- μm)	Theoretical Ink (cm3/m2)	Weight (g/m2)
13-150PW (SL)	33	1 : 1	619	150	64	300	14	128	60
21-80PW (S)	55	1 : 1	296	80	69	120	9	79	35
21-150PW (SL)	55	1 : 1	326	150	46	260	14	118	121
24-100PW (T)	60	1 : 1	316	100	57	136	11	65	81
28-140PW (SL)	70	1 : 1	217	140	40	195	13	76	125
32-55PW (S)	81	1 : 1	257	55	67	103	6	67	28
32-64PW (S)	81	1 : 1	248	64	63	95	6	56	32
32-100PW (T)	81	1 : 1	212	100	45	165	8	73	75
36-90PW (T)	92	1 : 1	183	90	44	150	8	65	68
39-55PW (S)	100	1 : 1	177	55	56	88	6	55	30
40-80PW (T)	103	1 : 1	166	80	44	133	7	59	60
43-80PW (T)	110	1 : 1	149	80	41	130	7	53	64
47-45PW (S)	120	2 : 2	166	45*2	61	80	6	42	40
47-55PW (S)	120	1 : 1	152	55	51	88	6	48	34
48-70PW (T)	122	1 : 1	133	70	41	115	6	47	55
53-45PW (S)	135	2 : 2	143	45*2	57	79	7	41	46
53-55PW (S)	135	1 : 1	133	55	50	86	6	42	40
54-64PW (T)	137	1 : 1	115	64	39	100	5	39	51
54-70PW (HD)	137	1 : 1	109	70	35	116	6	40	62
61-64PW (T)	155	1 : 1	90	64	31	101	5	30	58
64-55PW (S)	160	1 : 1	98	55	38	98	5	36	48
64-64PW (T)	160	1 : 1	85	64	30	115	6	34	61
68-55PW (S)	175	1 : 1	85	55	34	85	4	28	48
68-64PW (T)	175	1 : 1	78	64	28	105	5	30	65
72-48PW (S)	182	1 : 1	90	48	36	78	5	33	39
72-55PW (T)	182	1 : 1	85	55	30	90	5	27	51
77-48PW (S)	195	1 : 1	77	48	35	80	4	28	42
77-55PW (T)	195	1 : 1	67	55	27	88	4	24	55
80-48PW (T)	200	1 : 1	72	48	33	74	4	25	56
90-48PW (T)	230	1 : 1	56	48	25	78	4	19	50
100-40PW (T)	255	1 : 1	58	40	33	63	3	21	37
110-40PW (HD)	280	1 : 1	48	40	27	64	3	17	40
120-31PW (S)	305	1 : 1	49	31	35	49	3	17	26
120-34PW (T)	305	1 : 1	45	34	30	55	3	16	35
120-40PW (HD)	305	1 : 1	37	40	20	63	3	13	44
130-34PW (T)	330	1 : 1	40	34	27	55	3	15	37
140-31PW (S)	355	1 : 1	36	31	26	48	2	12	30
140-34PW (T)	355	1 : 1	31	34	20	53	3	10	39
140-34TW (T)	355	2 : 1	33	34	21	56	3	12	41
150-31PW (S)	380	1 : 1	32	31	23	49	3	11	32
150-34PW (T)	380	1 : 1	23	34	13	55	3	6.5	42
165-31PW (S)	420	1 : 1	23	31	15	48	2	7	36

PW : TW : SL ; S, T, HD PW : (Plain Weave); TW:(Twill Weave); S, T, HD: (thickness of Mesh) Standard Color: white and yellow, other colors on request.



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History and Characteristics of Polyester Printing Screen

Polyester was introduced to the screen printing market over 40 years ago and quickly replaced traditional silk as the fabric of choice among screen printers all over the world. It is a material that is uniquely suitable for screen printing because of its tensile strength, elastic memory and resistance to chemicals, abrasion heat and moisture.

There are 3 types of polyester fabrics used in screen printing and they are monofilament, low-elongation monofilament and multifilament. Most of today's screen printers use monofilament polyester, but the traditional type is rapidly being replaced with "Low-Elongation" fabric, which brings many new benefits to the screen printing process. Here we mainly introduce low-elongation monofilament polyester fabric as this is what we are producing now.

Monofilament Polyester is woven from yarn that is extruded from heated polyester into a single strand. The extruded thread is then spun to a precise diameter. Conventional monofilament polyester screen fabric will elongate under tension: the higher the tension level, the more the thread can stretch. At excessive tension levels, the thread reaches its "plastic deformation" point, and the screen will no longer hold tension.

Monofilament polyester is still suitable for non-critical printing applications. In recent years, however, it has been eclipsed by a new development in thread technology: Low-Elongation Polyester.

Low-Elongation Polyester is what we are producing now in a wide range of mesh counts, and our products offers significant advantages over the traditional monofilament polyester:

- Faster tensioning without damage to the threads*
- Improved fabric strength*
- Faster tension stabilization*
- Higher tension threshold and breaking point*
- Less tension loss during the stretching process*
- Faster turnaround time from the screen room to the pressroom*
- Improved registration due to stable tension*
- Faster Print speeds*



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