



**High modulus polyester monofilament mesh for high quality screen printing applications**

Thread type  
 L : Conjugated polyester monofilament (27µm - 30 µm)  
 UX: Super high modulus polyester monofilament (33µm - 45 µm)  
 EX: High modulus polyester monofilament

Category	Mesh Code	Mesh Count		Weaving	Thread Diameter	Mesh Thickness		Mesh Opening	Open Area	Theoretical Ink Volume	
		Tolerance ±3%				115-155cm	165cm & wider			115-155cm	165cm & wider
		/cm	/inch			µm	µm			µm	µm
α_series Regular	L -200 -024/ 508 PW	200	508	1:1 PW	24	36±2µm	N/A	24	23	8.3	N/A
α_series Regular	L -200 -027/ 508 TW	200	508	2:2 TW	27	50±3µm	N/A	22	19	10.1	N/A
α_series Regular	L -180 -027/ 460 PW	180	460	1:1 PW	27	41±2µm	42±3µm	24	19	7.7	7.9
α_series Regular	L -180 -030/ 460 TW	180	460	2:2 TW	30	55±3µm	56±4µm	23	17	9.5	N/A
α_series Regular	L -165 -027/ 420 PW	165	420	1:1 PW	27	40±2µm	41±3µm	30	25	9.8	10.1
α_series Regular	L -165 -030/ 420 PW	165	420	1:1 PW	30	45±2µm	46±3µm	25	18	8.0	8.2
α_series Regular	UX165 -033/ 420 TW	165	420	2:2 TW	33	60±3µm	60±3µm	24	16	9.4	9.4
α_series Regular	L -150 -027/ 380 PW	150	380	1:1 PW	27	40±2µm	41±3µm	38	32	12.9	13.3
α_series Regular	L -150 -030/ 380 PW	150	380	1:1 PW	30	45±2µm	46±3µm	33	24	11.0	11.2
α_series Regular	UX150 -033/ 380 PW	150	380	1:1 PW	33	48±2µm	49±3µm	27	16	7.8	8.0
α_series Regular	UX150 -035/ 380 TW	150	380	2:2 TW	35	64±3µm	64±3µm	30	20	12.9	12.9
α_series Regular	L -140 -027/ 355 PW	140	355	1:1 PW	27	40±2µm	41±3µm	44	38	15.1	15.5
α_series Regular	L -140 -030/ 355 PW	140	355	1:1 PW	30	45±2µm	46±3µm	39	30	13.4	13.7
α_series Regular	UX140 -035/ 355 PW	140	355	1:1 PW	35	53±2µm	54±3µm	32	19	10.3	10.5
α_series Regular	UX140 -035/ 355 TW	140	355	2:1 TW	35	61±3µm	61±3µm	34	23	13.8	13.8
α_series Regular	L -130 -027/ 330 PW	131	334	1:1 PW	27	40±2µm	41±3µm	49	42	16.6	17.0
α_series Regular	L -130 -030/ 330 PW	131	334	1:1 PW	30	45±2µm	46±3µm	44	33	15.1	15.4
α_series Regular	UX130 -035/ 330 PW	130	330	1:1 PW	35	53±2µm	54±3µm	38	24	12.9	13.2
α_series Regular	L -124 -027/ 315 PW	124	315	1:1 PW	27	40±2µm	41±3µm	54	45	17.9	18.4
α_series Regular	L -124 -030/ 315 PW	124	315	1:1 PW	30	45±2µm	46±3µm	49	37	16.6	17.0
α_series Regular	L -120 -030/ 305 PW	120	305	1:1 PW	30	46±2µm	46±3µm	53	41	18.6	18.6
α_series Regular	UX120 -033/ 305 PW	120	305	1:1 PW	33	50±2µm	51±3µm	47	32	15.9	16.2
α_series Regular	UX120 -035/ 305 PW	120	305	1:1 PW	35	53±2µm	54±3µm	45	29	15.5	15.8
α_series Regular	UX120 -040/ 305 PW	118	300	1:1 PW	40	62±2µm	62±3µm	37	19	11.8	11.8
α_series Regular	UX110 -035/ 280 PW	110	280	1:1 PW	35	53±2µm	54±3µm	53	34	18.1	18.4
α_series Regular	UX106 -040/ 270 PW	106	270	1:1 PW	40	60±2µm	61±3µm	49	27	16.3	16.6
α_series Regular	UX100 -035/ 255 PW	100	255	1:1 PW	35	53±2µm	54±3µm	64	41	21.9	22.3
α_series Regular	UX100 -040/ 255 PW	100	255	1:1 PW	40	60±2µm	61±3µm	56	32	19.0	19.3
α_series Regular	EX100 -048/ 255 PW	100	255	1:1 PW	48	76±2µm	76±3µm	45	20	15.5	15.5
α_series Regular	UX 90 -040/ 230 PW	90	230	1:1 PW	40	60±2µm	61±3µm	67	37	22.1	22.5
α_series Regular	UX 90 -045/ 230 PW	90	230	1:1 PW	45	68±2µm	69±3µm	60	30	20.1	20.4
α_series Regular	EX 90 -048/ 230 PW	88	225	1:1 PW	48	75±2µm	76±3µm	58	26	19.8	20.1
α_series Regular	EX 90 -055/ 230 TW	88	225	2:1 TW	55	91±4µm	95±5µm	54	23	20.8	21.7
α_series Regular	EX 90 -071/ 230 TW	88	225	3:1 TW	71	139±10µm	N/A	38	11	15.7	N/A
α_series Regular	UX 90 -33x2/ 230 PW	90	230	1:1 PW	33	51±2µm	52±3µm	40	13	6.7	6.8
α_series Regular	UX 79 -045/ 200 PW	79	200	1:1 PW	45	68±2µm	69±3µm	81	41	27.7	28.1
α_series Regular	EX 79 -048/ 200 PW	79	200	1:1 PW	48	75±2µm	76±3µm	75	35	26.2	26.5
α_series Regular	EX 79 -055/ 200 PW	79	200	1:1 PW	55	88±4µm	88±4µm	69	30	26.0	26.0

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Category	Mesh Code	Mesh Count		Weaving	Thread Diameter	Mesh Thickness		Mesh Opening	Open Area	Theoretical Ink Volume	
		Tolerance ±3%				115-155cm	165cm & wider			115-155cm	165cm & wider
		/cm	/inch			µm	µm			µm	µm
α_series Regular	UX 71 -045/ 180 PW	71	180	1:1 PW	45	70±2µm	72±3µm	95	45	31.7	32.6
α_series Regular	EX 71 -048/ 180 PW	71	180	1:1 PW	48	76±2µm	78±4µm	91	42	31.6	32.4
α_series Regular	EX 71 -055/ 180 PW	71	180	1:1 PW	55	88±4µm	88±4µm	85	36	31.9	31.9
α_series Regular	EX 71 -063/ 180 PW	71	180	1:1 PW	63	98±5µm	N/A	71	25	24.8	N/A
α_series Regular	EX 63 -048/ 160 PW	63	160	1:1 PW	48	76±2µm	78±4µm	110	48	36.5	37.5
α_series Regular	EX 63 -063/ 160 PW	63	160	1:1 PW	63	105±5µm	105±5µm	93	34	36.0	36.0
α_series Regular	EX 63 -071/ 160 PW	63	160	1:1 PW	71	116±6µm	116±6µm	79	25	28.7	28.7
α_series Regular	UX 59 -045/ 150 PW	59	150	1:1 PW	45	72±2µm	74±4µm	124	54	38.6	39.7
α_series Regular	EX 59 -048/ 150 PW	59	150	1:1 PW	48	76±2µm	78±4µm	120	50	38.2	39.2
α_series Regular	EX 59 -055/ 150 PW	59	150	1:1 PW	55	88±4µm	88±4µm	114	45	39.9	39.9
α_series Regular	EX 59 -063/ 150 PW	59	150	1:1 PW	63	105±5µm	105±5µm	104	38	39.9	39.9
α_series Regular	EX 59 -071/ 150 PW	59	150	1:1 PW	71	116±6µm	116±6µm	91	29	33.5	33.5
α_series Regular	EX 55 -063/ 140 PW	55	140	1:1 PW	63	105±5µm	105±5µm	116	41	43.2	43.2
α_series Regular	EX 55 -080/ 140 PW	55	140	1:1 PW	80	140±7µm	140±7µm	97	29	40.0	40.0
α_series Regular	UX 53 -045/ 135 PW	53	135	1:1 PW	45	73±4µm	74±4µm	143	58	42.2	42.7
α_series Regular	EX 53 -048/ 135 PW	53	135	1:1 PW	48	79±4µm	79±4µm	139	55	43.1	43.1
α_series Regular	EX 53 -055/ 135 PW	53	135	1:1 PW	55	95±5µm	95±5µm	133	50	47.5	47.5
α_series Regular	EX 49 -071/ 125 PW	49	125	1:1 PW	71	116±6µm	116±6µm	130	41	47.6	47.6
α_series Regular	UX 47 -045/ 120 PW	47	120	1:1 PW	45	73±4µm	74±4µm	167	62	45.4	46.1
α_series Regular	EX 47 -048/ 120 PW	47	120	1:1 PW	48	80±4µm	80±4µm	163	59	47.4	47.4
α_series Regular	EX 47 -055/ 120 PW	47	120	1:1 PW	55	95±5µm	95±5µm	157	55	52.3	52.3
α_series Regular	EX 47 -063/ 120 PW	47	120	1:1 PW	63	105±5µm	105±5µm	149	50	52.0	52.0
α_series Regular	EX 47 -080/ 120 PW	47	120	1:1 PW	80	137±7µm	137±7µm	130	38	51.4	51.4
α_series Regular	EX 43 -080/ 110 PW	43	110	1:1 PW	80	132±7µm	132±7µm	150	42	55.7	55.7
α_series Regular	EX 39 -055/ 100 PW	39	100	1:1 PW	55	95±5µm	95±5µm	199	61	58.3	58.3
α_series Regular	EX 39 -071/ 100 PW	39	100	1:1 PW	71	122±6µm	122±6µm	182	51	62.6	62.6
α_series Regular	EX 39 -080/ 100 PW	39	100	1:1 PW	80	134±7µm	134±7µm	174	47	62.9	62.9
α_series Regular	EX 35 -071/ 90 PW	35	90	1:1 PW	71	125±5µm	125±5µm	210	55	69.2	69.2
α_series Regular	EX 35 -080/ 90 PW	35	90	1:1 PW	80	137±7µm	137±7µm	202	51	70.2	70.2
α_series Regular	EX 31 -055/ 80 PW	31	80	1:1 PW	55	95±5µm	95±5µm	263	69	65.2	65.2
α_series Regular	EX 31 -071/ 80 PW	31	80	1:1 PW	71	125±6µm	125±6µm	246	60	75.0	75.0
α_series Regular	EX 31 -100/ 80 PW	31	80	1:1 PW	100	170±9µm	170±9µm	218	47	80.1	80.1
α_series Regular	EX 27 -055/ 70 PW	27	70	1:1 PW	55	95±5µm	95±5µm	308	72	68.4	68.4
α_series Regular	EX 27 -071/ 70 PW	27	70	1:1 PW	71	125±6µm	125±6µm	291	64	80.4	80.4
α_series Regular	EX 27 -125/ 70 PW	27	70	1:1 PW	125	230±23µm	230±23µm	238	43	98.9	98.9
α_series Regular	EX 24 -125/ 60 PW	24	60	1:1 PW	125	230±23µm	230±23µm	298	50	114.0	114.0
α_series Regular	EX 24 -150/ 60 PW	24	60	1:1 PW	150	280±28µm	N/A	271	41	114.7	N/A
α_series Regular	EX 20 -200/ 50 PW	20	50	1:1 PW	200	380±38µm	N/A	308	37	139.7	N/A
α_series Regular	EX 16 -200/ 40 PW	16	40	1:1 PW	200	400±40µm	N/A	435	47	187.7	N/A
α_series Regular	EX 12 -150/ 30 PW	12	30	1:1 PW	150	290±29µm	N/A	696	68	256.8	N/A
α_series Regular	EX 12 -250/ 30 PW	12	30	1:1 PW	250	500±50µm	N/A	597	50	248.6	N/A
α_series Regular	EX 10 -300/ 25 PW	15	25	1:1 PW	300	625±62µm	N/A	716	50	298	N/A

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