

HIGHEST STRECHING TENSION α -SERIES // L SCREEN // UX SCREEN // EX SCREEN

HIGHEST STRECHING TENSION VALUE OF PVF/NBC

POLYESTER MONOFILAMENT MESHES

YOUR EUROPEAN
NBC EXPERT
Meshtec Inc.

PVF MESH & SCREEN
TECHNOLOGY

TW or PW	cm	inch	μ m	Breaking Tension N/cm		Recommended Tension Value N/cm*		
Mesh Code	/cm	/inch	Thread Dia.	Warp	Weft	Standard Tension Breaking Value x 60%	Advanced Tension Breaking Value x 70%	Expert Tension Breaking Value x 90%
α L-200-024/508TW	200	508	24	28.2	27.7	16	19	25
α L-200-027/508TW	200	508	27	39.9	37.2	22	26	33
α L-180-027/460PW	180	460	27	30.5	30.6	18	21	27
α L-165-027/420PW	165	420	27	31.6	29.4	18	21	27
α L-165-030/420PW	165	420	30	41.8	39.9	24	28	36
α L-150-027/380PW	150	380	27	30.0	30.7	18	21	27
α L-150-030/380PW	150	380	30	34.0	39.0	22	26	33
α UX-150-033/380PW	150	380	33	40.9	42.7	25	29	38
α UX-150-035/380TW	150	380	35	50.0	50.0	30	35	45
α L-140-027/355PW	140	355	27	27.4	25.0	16	18	24
α L-140-030/355PW	140	355	30	36.0	36.7	21	25	32
α UX-140-035/355PW	140	355	35	45.3	46.0	27	31	40
α L-130-027/330PW	130	330	27	26.3	24.7	15	17	22
α L-130-030/330PW	130	330	30	32.7	33.0	20	23	30
α UX-130-035/330PW	130	330	35	45.3	43.1	26	30	38
α L-124-027/315PW	125	315	27	26.2	25.6	15	18	23
α L-124-030/315PW	125	315	30	33.8	31.0	18	21	28
α L-120-030/305PW	120	305	30	30.2	30.5	18	21	27
α UX-120-033/305PW	120	305	33	35.6	36.0	21	25	32
α UX-120-035/305PW	120	305	35	41.7	43.0	25	30	38
α UX-120-040/305PW	120	305	40	50.0	50.0	30	35	45
α UX-110-035/280TW	110	280	35	38.5	36.7	22	26	33
α UX-106-040/270PW	106	270	40	45.4	46.2	27	31	40
α UX-100-035/255PW	100	255	35	37.8	36.4	22	26	33
α UX-100-040/255PW	100	255	40	42.3	42.0	25	29	37
α UX-90-040/230PW	90	230	40	40.4	38.0	23	27	34
α UX-90-045/230PW	90	230	45	50.0	50.0	30	35	45
α EX-90-048/230PW	88	225	48	50.0	50.0	30	35	45
α UX-79-045/200PW	79	200	45	42.2	43.6	25	29	38
α UX-79-048/200PW	79	200	48	47.1	46.0	27	32	41
α EX-79-055/200PW	79	200	55	44.0	43.3	26	30	39
α EX-71-048/180PW	71	180	48	42.4	42.4	25	29	38
α EX-71-055/180PW	71	180	55	43.5	43.7	26	30	39
α EX-63-048/160PW	63	160	48	38.0	40.0	22	26	34
α EX-63-063/160PW	63	160	63	44.0	43.5	26	30	39
α UX-59-045/150PW	59	150	45	30.8	31.9	18	21	28
α EX-59-048/150PW	59	150	48	33.3	32.5	19	22	29
α EX-59-055/150PW	59	150	55	44.6	44.6	27	31	40
α EX-55-063/140PW	63	140	63	41.0	44.4	24	28	37
α UX-53-045/135PW	53	135	45	26.6	26.2	15	18	23
α EX-53-048/135PW	53	135	48	29.3	29.0	18	20	26
α EX-53-055/135PW	53	135	55	33.5	35.5	21	24	31
α EX-49-071/125PW	49	125	71	42.2	42.1	25	29	38
α UX-47-045/120PW	47	120	45	21.6	23.8	12	14	19
α EX-47-048/120PW	47	120	48	30.4	28.1	17	20	25
α EX-47-055/120PW	47	120	55	28.8	30.0	18	21	26
α EX-47-063/120PW	47	120	63	44.6	43.7	26	31	40
α EX-43-080/110PW	43	110	80	43.8	43.3	26	30	39
α EX-39-055/100PW	39	100	55	27.7	29.4	17	20	26
α EX-39-071/100PW	39	100	71	45.3	45.3	27	32	41
α EX-35-071/090PW	35	90	71	44.0	42.7	26	30	39
α EX-35-080/090PW	35	90	80	44.4	44.3	27	31	40
α EX-31-071/080PW	31	80	71	43.2	43.2	26	30	39
α EX-31-100/080PW	31	80	100	45.3	45.5	27	32	41
α EX-27-071/070PW	27	70	71	36.3	36.5	22	25	33
α EX-24-120/060PW	24	60	120	53.2	51.2	27	32	41
α EX-24-125/060PW	24	60	125	45.4	46.2	27	32	41
α EX-24-150/060PW	24	60	150	50.0	50.0	30	35	45

The above screen tension values are calculated from breaking tension in 1000 mm x 1000 mm sized mechanical stretching devices and they are measured by PVF/NBC tensio meter. PVF/NBC takes no responsibility for accidental damage to the mesh or improper stretching operation. *Recommended Tension Value // STANDARD TENSION: Good for all printers using mechanical stretching device, or less sophisticated printing machine without necessary controls that a high modulus polyester mesh would require. This is also the correct tension for most large format screen. *Recommended Tension Value // ADVANCED TENSION: Requires stable frames, an experienced technician and excellent stretching device. Operatives will need to use minimum off-contact during printing process. *Recommended Tension Value // EXPERT TENSION: Expert screen makers and machine operators can achieve these levels with state-of-the-art equipment and great care. Minimum off-contact is required during printing process. Some printers experiment at these tensions then use lower tension on their production screens.