Xtreme Hi-Performance UV Mesh

Fujifilm Sericol's Xtreme Hi-Performance UV Mesh is a high tension, low-elongation, monofilament polyester mesh engineered and woven to the highest screen print industry standards. The excellent dimensional stability, registration accuracy and print resolution of Xtreme Hi-Performance UV Mesh means exceptional printing results across the entire range of screen print applications. It is especially well-suited for high quality graphic and industrial print jobs using Fujifilm Sericol's UV-curable inks.

Xtreme Hi-Performance UV Mesh Specifications

Mesh Count Per in.	Weave PW (1:1) TW (2:1)	Thread Diameter microns	Mesh Opening microns	Fabric Thickness microns	Open Area %	Theoretical Ink Volume cm^3/m^2	Recommended Tension N/cm
305	PW	34	45	54	29	16	24-26
355	PW	31	38	48	28	13	20-22
355	PW	34	29	56	16	9	23-26
355	TW	34	32	60	20	12	23-26
380	PW	31	29	49	20	10	22-24
380	PW	34	25	56	13	7	25-27
380	TW	34	28	61	17	10	25-27
420	PW	27	30	46	25	12	17-21
420	PW	31	25	49	17	8	24-26
460	PW	27	25	43	20	8	18-22

Availability by Mesh Type

Nominal Width / Width Range

Mesh Count Per in.	Weave PW (1:1) TW (2:1)	Thread Diameter microns	40" 44"-47"	50" 53"-55"	60" 61"-63"	80" 83"-85"	90" 91"-93"
305	PW	34			X		
355	PW	31		X	X		
355	PW	34	X	X	X	X	X
355	TW	34	X	X	X	X	X
380	PW	31	X	X	X	X	X
380	PW	34		X	X	X	X
380	TW	34		X	X	X	
420	PW	27			X		
420	PW	31			X		
460	PW	27		X	X		

Note: For availability of additional mesh specs, contact your local Sericol Technical Sales Mgr.

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Glossary of Key Terminology

Mesh Count	the number of fabric threads per inch
Weave	the style the mesh is woven in; PW = plain weave; TW = twill weave
Thread Diameter	the diameter of each mesh thread before weaving
Mesh Opening	the size of each mesh open area
Fabric Thickness	the height of the woven mesh threads prior to stretching
Open Area %	the % of mesh openings in relation to the entire mesh area
Theoretical Ink Volume	the total volume of all mesh openings
Warp & Weft	the direction the threads run in a roll of mesh; warp = lengthwise from the core; weft = across the roll

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