

# Bopp™ Stainless Steel Wire Cloth

SAATI is a direct importer of G. Bopp & Co. AG Stainless Steel Wire Cloth. Bopp Precision woven wire cloth is produced in Switzerland under strict ISO 9001 international certification. SD wire cloth is woven to ultra tight tolerances for the most demanding screen printing applications. Whether for electronics, solar, graphics, or ceramic applications, Bopp wire is considered of the highest quality available in the world.

## Specifications

Ink deposit uniformity and close tolerance registration are challenges that Bopp SD Wire Cloth is uniquely suited to address. Many years of research and dedication to being an industry leader has resulted in a wide selection of specifications to meet a variety of needs. Different wire diameters, mesh openings and fabric thickness offer a wide range of selection for your deposition needs. Within any mesh count there is a range of wire diameters to choose from. Wire diameters range from .0007 to .0045, mesh counts from 60/in to 500/in, plain and some twill weave and also type 304 and 316 stainless steel.

## Tolerances

Bopp AG is unique in the position of manufacturing all their wire needs. In house control of wire drawing offers precision control that is unmatched by their competitors. This control translates to closer tolerances and greater accuracy in your printing operation. Individual roll inspection sheets can be supplied to you upon request. These sheets detail overall fabric thickness measurements in microns, from left, center and right sides at every meter of the entire length of the roll.

## Calendared Material

Bopp's critically acclaimed calendaring capability is recognized world wide as the finest in dialing in a customized calendared fabric thickness. Maximum calendaring in cases beyond 30% of the wire diameter doubled, is capable with their most advanced state of the art calendaring technology. Calendaring from "soft" = approx. 10% to "standard" approx. 20% to "heavy" 30%+, always of original thickness of mesh if possible.

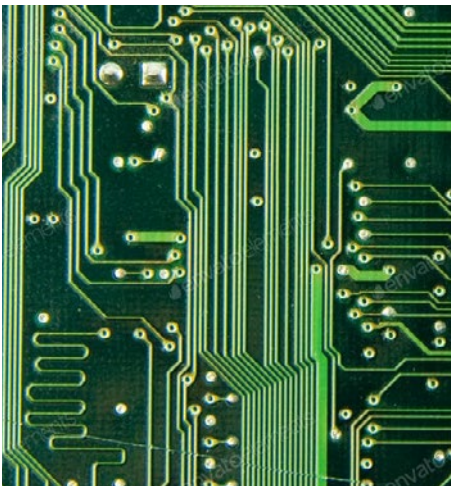
## Custom Sheeting

For your convenience, Bopp wire is available in custom sheets, cut for the maximum yield, to meet your specifications.

## Bopp SD Plus Wire

New generation BOPP SD PLUS screen printing meshes are capable of achieving tension values up to 50% and more above and beyond traditional meshes. Increased screen tension improves the print result, especially with lower off contact distances, and increases accuracy of registration. Unused tensioning capacity facilitates a considerably longer screen life and improvements in process efficiency. Typical tension values for SD PLUS meshes have been established under optimum working conditions. These should be adapted in accordance with the condition of the actual frame and tensioning equipment.

*Datasheets Detailing Recommended Tension Values Are Available On Request.*



Bopp SD Code	USA Specification ANSI/AWCI 01-1992		Metric Specs ISO 4783-1 1989	Open Area	Cloth Thickness As Woven-AW		Theoretical Ink Deposit	Theoretical Maximum Tension
Mesh Op/d	Mesh Threads /in	Wire Diameter d Inch/mm	Width of Aperture (opening) Microns	% op % op a/o	Average d microns	Average d inch	AW as Woven Vth cm <sup>3</sup> /m <sup>2</sup>	AW as Woven Newton N/cm
224/100	80	.0040/.100	224	48	215 ± 4	0.0085	103	40
160/75	105	.0030/.075	160	46	162 ± 4	0.0064	75	40
140/65	120	.0026/.065	140	47	140 ± 3	0.0055	65	40
125/65	135	.0026/.065	125	43	140 ± 3	0.0055	61	40
118/56	145	.0020/.056	118	46	120 ± 3	0.0047	55	38-40
100/50	165	.0020/.050	100	44	110 ± 3	0.0043	49	36-38
95/45	180	.0018/.045	95	46	102 ± 3	0.004	47	33-35
90/40	200	.0016/.040	90	48	90 ± 3	0.0035	43	31-33
75/36	230	.0014/.036	75	46	80 ± 3	0.0031	37	30-32
63/36	250	.0014/.036	63	40	80 ± 3	0.0031	32	31-33
59/32	280	.0012/.032	59	42	68 ± 2	0.0027	29	29-31
56/36	270	.0014/.036	56	37	80 ± 3	0.0031	30	32-34
56/32	300	.0012/.032	56	40	68 ± 2	0.0027	28	30-32
50/30	325	.0011/.030	50	39	62 ± 2	0.0024	24	46-48
50/28	325	.0011/.028	50	41	58 ± 2	0.0023	24	
40/28	370	.0011/.028	40	35	58 ± 2	0.0023	20	29-31
40/25	400	.0010/.025	40	38	51 ± 2	0.002	19	37-42
40/23	400	.0009/.028	40	40	48 ± 2	0.0019	19	36-40
<b>Heavy Grades</b>								
100/65	150	.0026/.065	100	37	140 ± 3	0.0055	51	40
80/50	200	.0020/.050	80	38	110 ± 2	0.0043	42	40
63/40	250	.0016/.040	63	37	90 ± 2	0.0035	34	35-37
56/40	270 TW	.0016/.040	56	34	88 ± 2	0.0035	30	34-38
42/36	325 TW	.0014/.036	42	29	76 ± 2	0.003	22	36-38
36/28	400 TW	.0011/.028	36	32	60 ± 2	0.0024	19	28-31
32/25	450 TW	.0010/.025	32	32	54 ± 2	0.0021	17	28-31
25/25	510 TW	.0010/.025	25	25	54 ± 2	0.0021	14	31-33
<b>Ultra Thin Grades</b>								
100/65	150	.0026/.065	100	37	140 ± 3	0.0055	51	40
80/50	200	.0020/.050	80	38	110 ± 2	0.0043	42	40
63/40	250	.0016/.040	63	37	90 ± 2	0.0035	34	35-37
56/40	270 TW	.0016/.040	56	34	88 ± 2	0.0035	30	34-38
42/36	325 TW	.0014/.036	42	29	76 ± 2	0.003	22	36-38
36/28	400 TW	.0011/.028	36	32	60 ± 2	0.0024	19	28-31
32/25	450 TW	.0010/.025	32	32	54 ± 2	0.0021	17	28-31
25/25	510 TW	.0010/.025	25	25	54 ± 2	0.0021	14	31-33