



EASTAR
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SCREEN PRINTING MESH FOR Ceramics

- *Ceramics Decals*
- *Ceramic Tiles*
- *Hollow Wares*



Screen Printing Mesh

Ideal for Decals & Printing

Screen printing can be used in the ceramic industries for directly screen printing or ceramic decals production. Screen printing mesh has wide ranges of mesh counts to satisfy different substrates and complete precious and accurate printing with different ink types. Screen printing mesh can be used in production for ceramic tiles, tableware, cups and other ceramic products. Screen printing mesh has low elongation and high adaptation to both inks and substrates, so it is an ideal choice for different screen printing industries.



Advantages

- Excellent UV resistance.
- Large printing area and little limitation to substrate materials.
- Low elongation and good mechanical resistance.
- Precious printing.
- High printing adaptation.
- Printed pattern is not sensitive to climate impacts.
- Suitable for different printing inks.
- Low pressure and suitable for fragile ceramics.
- Different mesh counts are suitable for different printing requirements..

Applications

Ceramic decals

- Line work.
- Halftones
- Effects
- Precious metals.
- Relief
- Cover coats



Ceramic tiles

- Line work.
- Halftones
- Precious metals.
- Relief
- Glaze



Hollow ware ceramics

- Scale
- Decoration
- information



TECHNICAL DATA

Polyester Screen Printing Mesh

Dimensions

- **Material:** 100% polyester monofilament fiber.
- **Mesh size:** 25 mesh to 420 mesh.
- **Weaving method:** plain weave.
- **Color:** white or yellow.
- **Width:** 0.6–3.68 m
- **Length:** 30/50/100 m and customized lengths.

Technical Data of Polyester Monofilament Screen Printing Mesh

Specification	Mesh Count	Thread Diameter	Aperture	Opening	Thickness	Ink Through Volume Theoretical	Tensile Strength
	mesh/inch	micron	micron	%	micron	cm ³ /m ²	n/cm
10-200	25	200	816	65	440	276	42
10-250	25	250	740	53	465	246	60
12-200	30	200	522	47	485	228	62
16-200	40	200	435	47	420	189	48
20-140	50	140	340	46	280	129	52
20-180	50	180	320	41	350	152	56
24-100	60	100	316	58	190	109	48
24-120	60	120	300	51	210	105	42
32-100	80	100	200	43	160	69	42
36-100	90	100	178	41	175	72	42
39-55	100	55	201	62	100	62	30
39-80	100	80	172	46	142	65	42
43-80	110	80	150	41	130	55	35
48-70	120	70	135	41	115	46	32
53-55	135	55	134	50	105	53	34
54-64	137	64	115	39	102	40	30
59-55	150	55	100	40	93	39	32
64-55	160	55	101	42	105	44	30
64-64	160	64	90	32	106	34	35
72-48	180	48	94	46	80	37	32
72-55	180	55	75	29	92	27	32
77-55	195	55	70	25	88	24	29
80*48	200	48	78	30	84	24	29
80-55	200	55	70	25	88	24	29
90-48	230	48	55	25	78	20	33
100-40	250	40	58	32	65	21	29
110-40	280	40	48	27	65	17	30
120-34	300	34	45	30	55	16	30
120-40	300	40	40	20	55	16	29
140-31	350	31	35	26	48	13	27
140-34	350	34	30	20	55	10	30
150-31	380	31	32	23	47	10	28
150-34	380	34	30	20	69	10	30
165-31	420	31	25	17	49	8	28

TECHNICAL DATA

Nylon Screen Printing Mesh

Dimensions

- **Material:** polyamide6 (PA6) and polyamide66 (PA66).
- **Mesh counts:** 10 mesh to 330 mesh.
- **Weave method:** plain weave.
- **Color:** white or yellow.
- **Width:** 0.6–3.68 m.
- **Length:** 30/50/100 m and customized lengths.

Specifications of Nylon Screen Printing Mesh

Item	Mesh Opening	Mesh Count	Thread Diameter	Open Area	Thickness
	(μm)	(mesh/inch)	(μm)	(%)	(μm)
PSMN-4-600	1900	10	600	60	1200
PSMN-5-500	1500	13	500	55	1000
PSMN-6-400	1267	15	400	57	800
PSMN-7-350	1079	18	350	56	700
PSMN-8-350	900	20	350	51	700
PSMN-9-300	811	23	300	58	570
PSMN-9-250	861	23	250	59	500
PSMN-10-250	750	25	250	55	500
PSMN-10-300	700	25	300	48	600
PSMN-12-300	533	30	300	40	600
PSMN-12-250	583	30	250	48	500
PSMN-14-300	414	36	200	33	510
PSMN-16-200	425	41	200	45	340
PSMN-16-220	405	41	220	40	385
PSMN-16-250	375	41	250	35	425
PSMN-20-150	350	51	150	46	255
PSMN-20-200	300	51	200	35	340
PSMN-24-120	297	61	120	51	235
PSMN-24-150	267	61	150	40	255
PSMN-28-120	237	71	120	44	210
PSMN-30-120	213	76	120	40	204
PSMN-32-100	213	81	100	45	170
PSMN-32-120	193	81	120	41	205
PSMN-34-100	194	86	100	44	180
PSMN-36-100	178	91	100	40	170
PSMN-40-100	150	102	100	35	170
PSMN-56-60	119	142	60	43	102
PSMN-64-60	96	163	60	37	102
PSMN-72-50	89	183	50	40	85
PSMN-80-50	75	203	50	35	85
PSMN-90-43	68	229	43	37	85
PSMN-100-43	57	254	43	31	80
PSMN-110-43	48	279	43	25	76
PSMN-120-43	40	305	43	21	80
PSMN-120-38	45	305	38	25	65
PSMN-130-35	42	330	35	25	60

TECHNICAL DATA

Stainless Steel Screen Printing Mesh

Dimensions

- **Material:** stainless steel wires.
- **Mesh counts:** 200 mesh to 500 mesh.
- **Weaving method:** plain weave.
- **Width:** 48" or 40" or other customized widths.
- **Length:** 30 m and customized lengths.

Plain Weave Stainless Steel Filter Mesh

Item	Mesh count	Thread Diameter	Open Area	Aperture	Theoretical ink
	mesh/inch	μm	%	μm	cm ³ /m ²
SPMS-200-50	200	50	37.0	77	42.0
SPMS-230-35	230	35	46.7	75	37.0
SPMS-250-40	250	40	36.8	62	34.0
SPMS-250-30	250	30	49.7	72	30.0
SPMS-250-35	250	35	43.0	67	32.0
SPMS-270-35	270	35	39.4	59	30.0
SPMS-300-30	300	30	41.7	55	28.0
SPMS-325-30	325	30	38.0	48	24.0
SPMS-325-28	325	28	41.2	50	26.4
SPMS-325-23	325	23	49.8	55	25.4
SPMS-350-25	350	25	43.0	48	18.7
SPMS-400-23	400	23	40.7	41	19.0
SPMS-400-18	400	18	51.3	46	20.0
SPMS-500-18	500	18	41.7	33	15.3



EASTAR FILTER INDUSTRY CO., LIMITED

Add:

NO.15, Jing 5 Road, East
Industrial Zone, Anping
County, Hebei, China.

Tel:

+86-318-8090100

Fax:

+86-318-8090101

Website:

www.polyesterscreenmesh.com

E-mail:

sales@polyesterscreenmesh.com