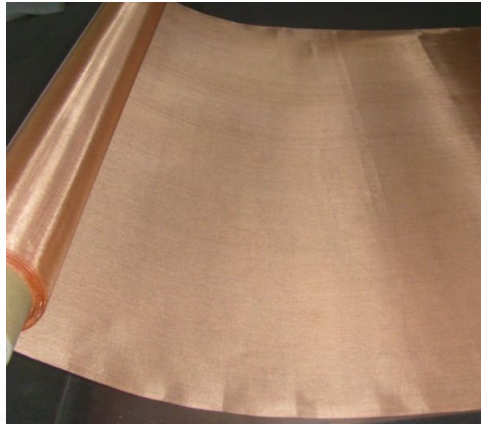
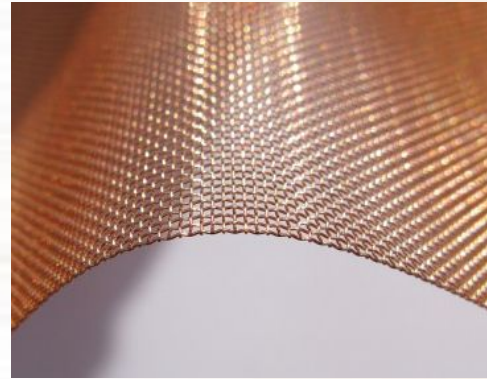




WIRE MESH
WEB WIRE MESH CO.,LTD

**Phosphor Bronze
Wire Mesh**

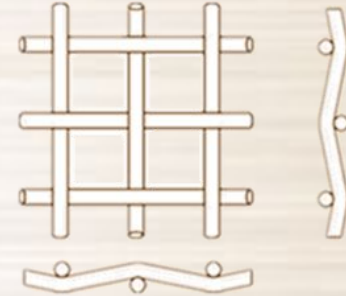


Plain Weave

Phosphor Bronze Wire Mesh Plain Weave

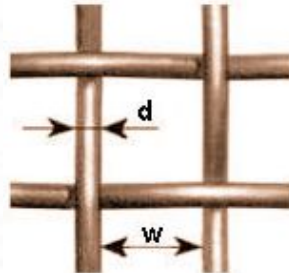
Plain Weave

Each warp wire passes alternately over and under the wires running transversely through the cloth at 90 degree angles.



Opening (w)

Clear opening between adjacent parallel wires; not affected by diameter of the wire.



Wire diameter (d)

Opening area (A)

The percentage of the opening is calculated as follows

$$A = \left(\frac{w}{w+d} \right)^2 \times 100\%$$

Mesh

Number of openings in a linear inch measured from the center of one wire to a point 1" distant.

$$\text{Mesh} = \frac{25.4 \text{ mm}}{w \text{ (mm)} + d \text{ (mm)}}$$



Phosphor Bronze Wire Mesh Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
6	0.4	0.0157	3.833	0.1509	81.99	14.6944	0.54	1.19
	0.5	0.0196	3.733	0.1469	77.77	13.9377	0.85	1.86
	0.6	0.0236	3.633	0.143	73.66	13.2011	1.22	2.68
	0.7	0.0275	3.533	0.1391	69.66	12.4844	1.66	3.65
8	0.4	0.0157	2.775	0.1092	76.39	7.7006	0.72	1.59
	0.5	0.0196	2.675	0.1053	70.98	7.1556	1.13	2.49
10	0.35	0.0138	2.19	0.086	74.3	4.8	0.69	1.52
	0.4	0.0157	2.140	0.0842	70.98	4.5796	0.90	1.99
	0.5	0.0196	2.040	0.0803	64.50	4.1616	1.41	3.11
12	0.35	0.0138	1.77	0.07	69.66	3.12	0.84	1.83
	0.4	0.0157	1.716	0.0675	65.77	2.9469	1.09	2.39
	0.5	0.0196	1.616	0.0636	58.33	2.6136	1.70	3.72
14	0.3	0.0118	1.514	0.0596	69.66	2.2930	0.71	1.56
	0.35	0.0137	1.464	0.0576	65.13	2.1441	0.96	2.11
	0.4	0.0157	1.414	0.0556	60.76	2.0002	1.27	2.78
	0.5	0.0196	1.314	0.0517	52.47	1.7273	1.98	4.35
16	0.25	0.0098	1.337	0.0526	70.98	1.7889	0.57	1.25
	0.27	0.0106	1.317	0.0518	68.87	1.7358	0.66	1.43
	0.40	0.0157	1.187	0.0467	55.95	1.4101	1.44	3.18
18	0.15	0.0059	1.2611	0.0496	79.87	1.5904	0.23	0.50

Phosphor Bronze Wire Mesh

Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
18	0.17	0.0066	1.2411	0.0488	77.35	1.5403	0.29	0.65
	0.19	0.0074	1.2211	0.048	74.88	1.4911	0.37	0.81
	0.21	0.0082	1.2011	0.0472	72.45	1.4426	0.44	0.98
	0.25	0.0098	1.161	0.0457	67.7	1.3481	0.63	1.39
	0.30	0.0118	1.111	0.0437	62	1.2345	0.91	2.01
	0.4	0.0157	1.0111	0.0398	51.34	1.0223	1.63	3.57
20	0.19	0.0074	1.080	0.0425	72.31	1.1664	0.41	0.89
	0.21	0.0082	1.060	0.0417	69.66	1.1236	0.50	1.10
	0.25	0.0098	1.020	0.0401	64.50	1.0404	0.70	1.54
	0.30	0.0118	0.970	0.0381	58.33	0.9409	1.01	2.24
	0.4	0.0157	0.87	0.0342	46.92	0.7569	1.81	3.98
22	0.25	0.0098	0.904	0.0356	61.38	0.8182	0.76	1.68
24	0.15	0.0059	0.908	0.0357	73.66	0.825	0.30	0.67
	0.20	0.0078	0.858	0.0337	65.77	0.7367	0.54	1.19
	0.30	0.0118	0.758	0.0298	51.34	0.5750	1.22	2.68
	0.35	0.0137	0.708	0.0278	44.79	0.5017	1.66	3.65
30	0.12	0.0047	0.726	0.0286	73.66	0.5280	0.24	0.53
	0.13	0.0051	0.716	0.0282	71.64	0.5136	0.28	0.62

Phosphor Bronze Wire Mesh Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
30	0.15	0.0059	0.696	0.0274	67.7	0.4853	0.38	0.84
	0.17	0.0066	0.676	0.0266	63.87	0.4578	0.48	1.08
	0.19	0.0074	0.656	0.0258	60.15	0.4312	0.61	1.33
	0.20	0.0078	0.646	0.0254	58.33	0.4181	0.68	1.50
	0.27	0.0106	0.576	0.0227	46.39	0.3325	1.23	2.71
40	0.12	0.0047	0.515	0.0202	65.77	0.2652	0.32	0.71
	0.15	0.0059	0.485	0.0190	58.33	0.2352	0.51	1.12
	0.18	0.0070	0.455	0.0179	51.34	0.2070	0.73	1.61
	0.20	0.0078	0.435	0.0171	46.92	0.1892	0.90	1.98
50	0.12	0.0047	0.388	0.0152	58.33	0.1505	0.41	0.89
	0.13	0.0051	0.378	0.0148	55.36	0.1428	0.47	1.04
	0.15	0.0059	0.358	0.0140	49.66	0.1281	0.63	1.39
	0.20	0.0078	0.308	0.0121	36.75	0.0948	1.13	2.49
60	0.10	0.0039	0.323	0.0127	58.30	0.1043	0.33	0.74
	0.11	0.004	0.313	0.0123	54.76	0.09797	0.41	0.90
	0.12	0.0047	0.303	0.0119	51.34	0.0920	0.48	1.08
	0.15	0.0059	0.273	0.0107	41.68	0.0747	0.75	1.66
	0.17	0.0066	0.253	0.0099	35.81	0.0641	0.97	2.14
	0.19	0.0074	0.233	0.0091	30.38	0.0544	1.22	2.68

Phosphor Bronze Wire Mesh Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
80	0.08	0.032	0.237	0.0093	55.72	0.0561	0.29	0.65
	0.09	0.0035	0.227	0.0089	51.34	0.0517	0.37	0.81
	0.10	0.0039	0.217	0.0085	46.92	0.0473	0.45	0.99
	0.12	0.0047	0.197	0.0077	38.69	0.0390	0.65	1.41
100	0.07	0.0027	0.184	0.0072	52.48	0.0339	0.27	0.61
	0.08	0.0031	0.174	0.0068	46.92	0.0302	0.37	0.80
	0.09123	0.0035	0.164	0.0064	41.69	0.0269	0.46	1.00
	0.10	0.0039	0.154	0.0060	36.75	0.0237	0.57	1.25
120	0.05	0.0020	0.162	0.0064	58.34	0.0261	0.17	0.38
	0.06	0.0024	0.152	0.0060	51.34	0.0230	0.24	0.53
	0.07	0.0028	0.142	0.0056	44.80	0.0201	0.33	0.73
	0.08	0.0031	0.132	0.0052	38.69	0.0173	0.37	0.80
150	0.06	0.0023	0.109	0.0043	41.68	0.0119	0.30	0.67
	0.07	0.0027	0.099	0.0039	34.41	0.0098	0.41	0.90
180	0.05	0.0019	0.091	0.0035	41.68	0.0083	0.25	0.54
	0.06	0.0023	0.081	0.0031	33.03	0.0065	0.36	0.78
200	0.05	0.0019	0.077	0.0030	36.75	0.0059	0.28	0.62
250	0.04	0.0015	0.061	0.0024	36.75	0.0037	0.20	0.44
300	0.04	0.0015	0.044	0.0017	27.83	0.0019	0.24	0.52

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