

WIRECLOTH

**Table 1 – Square Coarse Mesh
P = Plain Weave**

Mesh Per Inch	Weave Pattern	Aperture		Wire Diameter		Open Area %	Aperture Per		Weight	
		Inch	Mm	Inches	mm		Sq Inch	Cm ²	Lbs/sqft	Kg/m2
1.5	P	0.6300	16.0	0.1260	3.20	69	2.25	N/A	1.40	6.77
2	P	0.3937	10.0	0.0551	1.40	77	4	N/A	0.45	2.18
3	P	0.3150	8.00	0.0630	1.60	69	9	N/A	0.70	3.39
3.5	P	0.2480	6.30	0.0394	1.00	74	12	N/A	0.36	1.74
4	P	0.1969	5.00	0.0492	1.25	64	16	2.5	0.65	3.18
4	P	0.1969	5.00	0.0354	0.90	72	16	2.5	0.36	1.74
4.5	P	0.1969	5.00	0.0280	0.71	77	20	3	0.23	1.12
5	P	0.1575	4.00	0.0394	1.00	64	25	4	0.52	2.54
6	P	0.1250	3.00	0.0315	0.90	64	36	6	0.42	2.05
7	P	0.0984	2.50	0.0394	1.00	51	49	8	0.74	3.63
8	P	0.0984	2.50	0.0280	0.71	58	64	10	0.41	1.99
8	P	0.0787	2.00	0.0492	1.25	38	64	10	1.23	6.00
10	P	0.0787	2.00	0.0221	0.56	61	100	15	0.32	1.56
11	P	0.0630	1.60	0.0280	0.71	48	121	19	0.57	2.77
12	P	0.0630	1.60	0.0197	0.50	58	144	22	0.24	1.51

**Table 2 – Square Medium Mesh
P = Plain Weave**

Mesh Per Inch	Weave Pattern	Aperture		Wire Diameter		Open Area %	Aperture Per		Weight	
		Inch	Mm	Inches	mm		Sq Inch	Cm ²	Lbs/sqft	Kg/m2
12	P	0.0512	1.25	0.0320	0.80	37	144	23	0.82	4.0
15	P	0.0512	1.25	0.0160	0.40	57	225	36	0.25	1.23
17	P	0.0410	1.00	0.0200	0.50	45	290	50	0.44	2.12
21	P	0.0370	0.90	0.0126	0.32	54	440	68	0.22	1.07
20	P	0.0328	0.80	0.0200	0.50	38	400	62	0.50	2.44
25	P	0.0258	0.63	0.0160	0.40	37	625	97	0.40	1.97
30	P	0.0258	0.63	0.0100	0.25	51	900	130	0.19	0.91
30	P	0.0200	0.50	0.0130	0.32	37	900	130	0.33	1.59
35	P	0.0200	0.50	0.0080	0.20	51	1225	200	0.15	0.73
40	P	0.0164	0.40	0.0100	0.25	38	1600	236	0.25	1.22
50	P	0.0129	0.315	0.0080	0.20	37	2400	375	0.20	0.99
60	P	0.0100	0.25	0.0066	0.16	37	3845	595	0.16	0.79
70	P	0.0100	0.25	0.0051	0.125	44	4625	717	0.11	0.53
80	P	0.0082	0.20	0.0051	0.125	38	6085	945	0.13	0.61
90	P	0.0082	0.20	0.0037	0.090	47	7745	1200	0.074	0.36

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Table 3 – Square Fine Mesh
P = Plain Weave TW = Twill Weave

Mesh Per Inch	Weave Pattern	Aperture		Wire Diameter		Open Area %	Aperture Per		Weight	
		Inch	Mm	Inches	Mm		Sq Inch	Cm ²	Lbs/sqft	Kg/m ²
100	P	0.0063	0.16	0.0039	0.100	38	1000	1500	0.11	0.49
120	P	0.0047	0.12	0.0035	0.090	33	14400	2350	0.098	0.48
140	P	0.0043	0.11	0.0028	0.071	37	19600	3040	0.072	0.35
150	P	0.0039	0.10	0.0025	0.063	38	22500	3500	0.064	0.31
165	P	0.0039	0.10	0.0020	0.050	44	27225	4220	0.043	0.21
180	P	0.0035	0.09	0.0022	0.056	38	32400	5050	0.055	0.27
200	P	0.0032	0.08	0.0020	0.050	38	40000	6200	0.049	0.24
230	P	0.0028	0.07	0.0016	0.040	40	52900	8200	0.037	0.18
250	P	0.0025	0.063	0.0016	0.040	37	62500	9690	0.410	0.20
270	TW	0.0022	0.056	0.0016	0.040	34	72900	11300	0.043	0.21
325	TW	0.0017	0.042	0.0014	0.036	29	105625	16400	0.041	0.22
400	TW	0.0014	0.036	0.0011	0.028	32	160000	24800	0.033	0.16
500	TW	0.0010	0.025	0.0010	0.025	25	250000	38800	0.033	0.16

Table 4 – Dutch Weave Mesh
PD = Plain Dutch TD = Twill Dutch OTD = Open Twill Dutch

Weave	Mesh Per Inch Warp X Weft	Wire Diameter in mm		Particle Retent In Microns	Porosity %	Air Flow M ³ /h	Thickness in mm	Weight kg/m ²
		Warp	Weft					
PD 300	12x64	0.60	0.40	300	62	26	1.225	3.64
PD 250	12x95	0.34	0.28	255	66	25	0.80	2.25
PD120	24x110	0.36	0.26	120	60	18	0.71	2.7
PD 90	30X150	0.18	0.14	90	58	20	0.32	1.4
PD 80	40x200	0.18	0.14	80	58	17	0.40	1.3
PD 60	50x250	0.13	0.112	60	59	17	0.315	1.0
TD 35	80x700	0.10	0.075	36	40	5	0.255	1.2
OTD 50	120x400	0.10	0.065	52	59	21	0.23	0.73
OTD 25	165x800	0.07	0.050	25	47	8	0.17	0.71
TD 20	165x1100	0.07	0.050	22	30	2	0.165	0.9
TD 15	165x1400	0.07	0.040	17	37	3	0.147	0.72
OTD 30	200x600	0.07	0.045	32	56	11	0.152	0.52
TD 17	200x1100	0.07	0.050	17	26	2	0.165	0.95
TD 10	200x1400	0.07	0.040	13	33	1	0.145	0.76
TD 5	325x2300	0.038	0.025	8	30	1	0.086	0.47
TD 3	400X2800	0.030	0.022	3	10	0.08 Nm/3	0.08	0.4

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Table 5 – Reverse Dutch Mesh (PZ Weave)
PZ (RPD) = Reverse Plain Dutch KPZ = Reverse Twill Dutch

Weave	Mesh Per Inch Warp X Weft	Wire Diameter in mm		Particle Retent Absolute In Microns	Porosity %	Air Flow M ³ /h	Thickness in mm	Weight kg/m ²
		Warp	Weft					
PZ 200	63X18	0.40	0.60	220	60	23.5	1.35	4.21
PZ 150	107X20	0.24	0.60	210	58	17.5	1.03	3.38
PZ 100	128X29	0.20	0.45	130	58	17.2	0.84	2.74
PZ 80	132X32	0.20	0.40	100	55	11.4	0.77	2.69
PZ 60	171X46	0.15	0.30	85	54	13.6	0.57	2.05
KPZ 55	325X40	0.15	0.30	90	52	14.5	0.73	2.71
PZ 40	287X71	0.09	0.20	55	53	8.4	0.36	1.31
PZ 25	615X102	0.04	0.16	42	51	8.4	0.24	0.92
PZ 17	615X130	0.04	0.13	22	49	4.3	0.21	0.83
PZ 15	720X150	0.036	0.10	17	54	4.0	0.18	0.65

Table 6 – Easy Clean Mesh
PD = Plain Dutch RPD = Reverse Plain Dutch

Weave	Mesh Per Inch Warp X Weft	Particle Retent Absolute In Microns	Porosity %	Air Flow M ³ /h	Thickness in mm	Weight kg/m ²
EC-RPD80	320X36	83	68	24.1	0.49	1.23
EC-RPD60	430X50	60	66	23.6	0.325	0.37
EC-RPD50	530X65	48	62	18.8	0.26	0.78
EC-PD40	70X590	42	63	14.0	0.212	0.62
EC-PD30	110X970	30	57	9.8	0.134	0.45
EC-PD20	150X1700	20	62	4.0	0.10	0.30

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