

COLOR CHART FOR THERMALLY GROWN SiO₂ FILMS
(OBSERVED PERPENDICULARLY UNDER DAYLIGHT FLUORESCENT LIGHTING)



PLASMA EQUIPMENT TECHNICAL SERVICES
INCORPORATED
392 W. LARCH ROAD, UNIT #16
TRACY, CA. 95304
(209)832-3326 FAX(209)832-3371

PETS INC

COLOR CHART FOR THERMALLY GROWN SiO₂ FILMS
(OBSERVED PERPENDICULARLY UNDER DAYLIGHT FLUORESCENT LIGHTING)

OXIDE Film Thickness (Microns)	NITRIDE Order (5450 A)	Color and Comments
0.050	375 A	Tan
0.075	562.5	Brown
0.100	750	Dark Violet to red violet
0.125	937.5	Royal blue
0.150	1125	Light blue to metallic blue
0.175	1312.5	Metallic to very light yellow-green
0.200	1500	Light gold or yellow slightly metallic
0.225	1687.5	Gold with slight yellow-orange
0.250	1875	Orange to Melon
0.275	2062.5	Red-Violet
0.300	2250	Blue to violet-blue
0.310	2325	Blue
0.325	2437.5	Blue to blue-green
0.345	2587.5	Light green
0.350	2625	Green to yellow-green
0.365	2737.5	Yellow-green
0.375	2812.5	Green- yellow
0.390	2925	Yellow
0.412	3090	Light orange
0.426	3195	Carnation pink
0.443	3322.5	Violet-red
0.465	3487.5	Red-violet
0.476	3570	Violet
0.480	3600	Blue Violet
0.493	3697.5	Blue
0.502	3765	Blue-green
0.520	3900	Green (Broad)
0.540	4050	Yellow-green
0.560	4200	Green-yellow
0.574	4305	Yellow to "Yellowish (not yellow but is in the position where yellow is to be expected. At times is appears to be light creamy gray or metallic)
0.585	4357.5	Light orange or yellow to pink borderline
0.60	4500	Carnation pink
0.63	4725	Violet-red

OXIDE Film Thickness (Microns)	NITRIDE Order (5450 A)	Color and Comments
0.68	5100	"Bluish" (Not blue but borderline between violet and blue-green. It appears more like a Mixture between violet -red and blue-green and over-all looks grayish.
0.72	5400	Blue-green to green (quite broad
0.77	5775	"Yellowish"
0.80	6000	Orange (rather broad for orange)
0.82	6150	Salmon
0.85	6375	Dull, light red-violet
0.86	6490	Violet
0.87	6525	Blue-violet
0.89	6675	Blue
0.92	6900	Blue-green
0.95	7125	Dull yellow-green
0.97	7225	Yellow to Yellowish
0.99	7425	Orange
1.00	7500	Carnation Pink
1.02	7650	Violet-red
1.05	7575	Red-violet
1.06	7950	Violet
1.07	8025	Blue-violet
1.10	8250	Green
1.11	8325	Yellow-green
1.12	8400	Green
1.18	8850	Violet
1.19	8925	Red-violet
1.21	9075	Violet-red
1.24	9300	Carnation Pink-Salmon
1.25	9375	Orange
1.28	9600	"Yellowish"
1.32	9900	Sky blue to green-blue
1.40	10500	Orange
1.45	10875	Violet
1.45	10950	Blue-violet
1.50		Blue
1.51	11550	Dull Yellow-green