

PANAX	Color Index	Characteristics	Deep Shade (1:8)	Tinting Shade (1:20)	Application							Specific Gravity(g/cm <sup>3</sup> )	Bulk Value(cc/100g)	Oil Absorption(cc/100g)	pH of Aqueous Extract	Chemical Resistance		Resistance to Solvents					Light Fastness		Heat Resistance		
					Oil Ink	Solvent Ink	Water Flex Ink	Paint(Oil Base)	Paint(Water Base)	Plastics	Textile					Artist Color	5% HCl	5% NaOH	Water	Ethanol	D.O.P	Xylene	M.E.K	Deep Shade	Tint Shade	20°CX10min	150°CX10min
YELLOW FG	PY 1	Bright, Clean, Good Light-fastness			○						●	1.6	590	24	6-8	5	5	5	3	3	2	4	7	6	2	3	
YELLOW F10G	PY 3	Bright color, Good Light-fastness			○						●	1.6	580	24	6-8	5	5	5	3	3	2	4	7	6	2	3	
YELLOW GF-935F	PY 12	Opaque, Easy Dispersing, Good Flow			●							1.4	630	33	6-8	5	5	5	4	4	4	5	4	3	3	4	
YELLOW GRF	PY 12	Green Shade, Transparent			○		●			●	○	1.3	640	40	6-8	5	5	5	4	4	3	3	5	3	2	3	
YELLOW IV-1200	PY 12	Green Shade, Low Conductivity			●							1.4	620	35	6-8	5	5	5	4	4	3	3	5	3	2	3	
YELLOW 920SH	PY 12	Red Shade			●							1.4	620	35	6-8	5	5	5	4	4	3	3	5	3	2	3	
YELLOW 1512	PY 12	Transparent, Easy Dispersing, Good Flow			●							1.4	850	35	6-8	5	5	4	4	4	3	3	5	3	2	3	
YELLOW 3000	PY 12	Transparent, High Strength			●		○					1.4	620	34	6-8	5	5	4	4	4	3	3	5	3	2	3	
YELLOW GF-920SR	PY 12	Redder Shade than GF-920SH			●		○					1.4	620	34	6-8	5	5	4	4	4	3	3	5	3	2	3	
YELLOW GF-960	PY 13	Transparent, Good Light-fastness			●	○	○			●		1.4	620	25	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-967	PY 13	Opaque			●	●	○					1.4	590	33	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-967W	PY 13	Opaque for Water Base Systems					●					1.4	590	33	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-967T	PY 13	Transparent for Water Base Systems					●					1.4	590	36	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-960T7	PY 13	More transparent than GF-960T2			●							1.4	600	30	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-960T2	PY 13	Good Gloss, Low Viscosity			●							1.4	600	30	6-8	5	5	5	4	4	4	4	5	3	3	4	
YELLOW 2GM	PY 14	Redder Shade than 2GS					○			●		1.7	560	28	6-8	5	5	5	4	5	3	4	4	3	3	4	
YELLOW 2GS	PY 14	Standard Shade			○		●			●	●	○	1.7	560	26	6-8	5	5	5	4	5	3	4	4	3	3	4

●Recommended ○Potential use

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					Oil Ink	Solvent Ink	Water Flexo Ink	Paint(Oil Base)	Paint(Water Base)	Plastics	Textile	Artist Color					5% HCl	5% NaOH	Water	Ethanol	D.O.P	Xylene	M.E.K	Deep Shade	Tint Shade	210°CX10min	150°CX10min	
YELLOW 2GL	PY 14	Bright Shade, High gloss			○	●								1.7	530	27	6-8	5	5	5	4	5	3	4	4	3	3	4
YELLOW 2GL-SQ	PY 14	Green Shade, High Gloss				●								1.7	530	28	6-8	5	5	5	5	5	3	4	4	3	3	4
YELLOW 2GH	PY 14	High gloss, High strength					○				●	○		1.7	530	26	6-8	5	5	5	4	5	3	4	4	3	3	4
YELLOW IV-1400	PY 14	Transparent, Low Viscosity				●								1.7	530	28	6-8	5	5	5	5	5	3	4	4	3	3	4
YELLOW GF-917	PY 17	Greener Shade than standard PY-17									●			1.6	500	25	6-8	5	5	5	5	5	4	3	5	3	3	4
YELLOW 65	PY 65	Bright Color with Good Light-fastness			●			●		●				1.0	540	35	6-8	5	5	5	5	5	4	3	5	3	3	4
YELLOW 5GX	PY 74	Transparent, Green Shade						●		●		○		1.5	520	40	6-8	5	5	5	4	4	2	2	6	5	3	4
YELLOW 5GXP	PY 74	Middle Opaque, Red Shade						●		●		○		1.5	520	40	6-8	5	5	5	4	4	2	2	6	5	3	4
YELLOW 5GO	PY 74	Opaque, Red Shade						●	●	●				1.5	520	40	6-8	5	5	5	4	4	3	3	6	5	3	4
YELLOW 3R	PY 83	Standard Shade PY-83			○	●			●	○	●	●	○	1.4	550	29	6-8	5	5	5	5	5	4	4	7	6	5	5
YELLOW 703R	PY 83	Green Shade for Hot Melt Coatings							●					1.4	550	29	6-8	5	5	5	5	5	4	4	7	6	5	5
YELLOW RGT	PY 83	Opaque, Red Shade for Hot Melt Coatings							●					1.4	550	29	6-8	5	5	5	5	5	4	4	7	6	5	5
YELLOW 3RT	PY 83	Good Transparency & Light-fastness						●		●		○		1.4	540	31	6-8	5	5	5	5	5	4	4	7	6	5	5
YELLOW 3RH	PY 83	Good Gloss and Strength						○		○		●		1.4	540	29	4-6	5	5	5	5	5	4	4	7	6	5	5
YELLOW 3RHW	PY 83	Low PAA						●		○		●		1.4	540	29	4-6	5	5	5	5	5	4	4	7	6	5	5
YELLOW G33R	PY 83	Transparent, Low Viscosity				●								1.4	540	29	6-8	5	5	5	5	5	4	4	7	6	5	5
ORANGE P	PO 13	Blue Shade			●	●					●	●	●	1.5	540	34	6-8	5	4	5	4	4	3	3	5	4	3	4

●Recommended ○Potential use



PANAX	Color Index	Characteristics	Deep Shade (1:8)	Tinting Shade (1:20)	Application							Specific Gravity(g/cm <sup>3</sup> )	Bulking Value(ccm <sup>3</sup> /100g)	Oil Absorption(cc/100g)	pH of Aqueous Extract	Chemical Resistance		Resistance to Solvents						Light Fastness		Heat Resistance		
					Oil Ink	Solvent Ink	Water Flexo Ink	Paint(Oil Base)	Paint(Water Base)	Plastics	Textile					Artist Color	5% HCl	5% NaOH	Water	Ethanol	D.C.P	Xylene	M.E.K	Deep Shade	Tint Shade	210°CX10min	150°CX10min	
ORANGE G	PO 13	Transparent, High Gloss			●								1.5	540	34	6-8	5	4	5	4	4	3	3	5	4	3	4	
RED 1010	PR 2	Blue Shade (F2R)			○	●					●		1.6	420	33	6-8	5	4	5	2	2	2	1	7	5	2	5	
RED 1010W	PR 2	Blue Shade (F2R) Low PCB, PAA				●					●		1.6	420	33	6-8	5	4	5	2	2	2	1	7	5	2	5	
RED B	PR 3	Blue Shade			○		●						1.4	810	36	5-8	5	4	5	2	3	3	1	7	4	3	4	
RED 2BY	PR 48:1	Bright Color				●					●		2.0	820	32	7-9	4	3	4	4	4	4	4	4	6	4	3	5
RED 2R	PR 48:2	Standard Shade			○						●		1.9	580	34	7-9	4	2	4	3	4	4	4	6	5	3	5	
RED 2RS	PR 48:2	Opaque			○						●		1.9	580	35	7-9	4	2	4	3	4	4	4	6	5	3	5	
RED 2RM	PR 48:2	High Strength			○						●		1.9	580	34	7-9	4	2	4	3	4	4	4	6	5	3	5	
RED 2RP	PR 48:2	High Strength, Easy Dispersing			○						●		1.9	580	34	7-9	4	2	4	3	4	4	4	6	5	3	5	
RED 2RT	PR 48:2	Transparent, Low Viscosity				●							1.9	400	34	7-9	4	2	4	3	4	4	4	5	4	3	5	
RED 2RL	PR 48:3	Yellow Shade, Non Migrating in PVC					○				●		1.7	530	32	6-8	3	2	5	3	4	4	4	6	5	5	5	
RED 2RN	PR 48:4	Non Bleeding, Good Light fastness						●					1.8	410	32	7-9	3	2	4	2	4	4	4	7	5	3	5	
RED CL-304	PR 53:1	Opaque, Good Flow			●	●					●		1.8	740	30	7-9	4	3	5	3	5	4	3	4	3	3	5	
RED CL-304G	PR 53:1	Good Gloss in Solvent Based Inks				●							1.7	740	30	7-9	4	3	5	3	5	4	3	4	3	3	5	
RED 2C-306	PR 53:1	Standard Color Shade			●						●		1.7	490	36	7-9	4	3	5	3	5	4	3	4	3	3	5	
RED 2C-306G	PR 53:1	Transparent				●							1.7	490	36	7-9	4	3	5	3	5	4	3	4	3	3	5	
RED 2C-306L	PR 53:1	Yellow Shade, Good Gloss, Transparent				●							1.7	490	36	7-9	4	3	5	3	5	4	3	4	3	3	5	

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					Oil Ink	Solvent Ink	Water Flexo Ink	Paint(Oil Base)	Paint(Water Base)	Plastics	Textile	Artist Color					5% HCl	5% NaOH	Water	Ethanol	D.O.P	Xylene	M.E.K	Deep Shade	Tint Shade	21°CX10min	150°CX10min			
BLUE 7072	PB 15:3	Green Shade			●						○	○		1.6	440	6-8	5	5	5	5	5	5	5	5	5	8	8	5	5	
BLUE BS-7070	PB 15:4	Green Shade				●								1.5	440	52	5-7	5	5	5	5	5	5	5	5	5	8	8	5	5
SKY BLUE	PB 17:1	Green Shade											●	1.6	440	24	6-8	3	2	4	5	5	5	5	5	6	5	4	5	
SKY BLUE(N)	PB 17:1	Green Shade Low Concentration											●	1.6	440	25	6-8	3	2	4	5	5	5	5	5	6	5	4	5	
GREEN GY	PG 7	Standard color shade				●		●		●	○			2.2	370	23	5-7	5	5	5	5	5	5	5	5	8	8	5	5	
GREEN GY-2030	PG 7	Blue Shade				●		●		●	○			2.2	370	23	5-7	5	5	5	5	5	5	5	5	8	8	5	5	
VIOLET 3RR	PV 3	Blue Shade			●	○	●							1.4	500	50	4-6	5	4	5	5	5	5	5	4	8	7	3	4	
RED 1900	PV 19	Yellow Shade			●	○		●		●				1.6	410	42	6-8	5	5	5	5	5	5	5	5	8	8	4	5	
VIOLET 23R	PV 23	Blue Shade			●	○		●		●				1.5	500	50	6-8	5	5	5	5	5	5	5	4	7	5	4	5	
BLUE 770	PB 27:1	Red Shade						●						1.8	340	45	4-6	5	1	5	5	5	5	5	5	7	6	3	4	

PANAX	Color Index	Characteristics	Deep Shade (1:8)	Tinting Shade (1:20)	Application								Pigment Content(%)	pH of Aqueous Extract	Chemical Resistance		Resistance to Solvents					Light Fastness		Heat Resistance			
					Oil Ink	Solvent Ink	Water Flex Ink	Paint(Oil Based)	Paint (Water Based)	Plastics	Textile	Artist Color			5% HCl	5% NaOH	Water	Ethanol	D.O.P	Xylene	M.E.K	Deep Shade	Tint Shade	210°CX10min	150°CX10min		
YELLOW GF-913(F/C)	PY 12	Green Shade, Transparent			●	○								21-27	4-6	5	5	5	4	4	4	4	5	3	3	4	
YELLOW GF-916(F/C)	PY 12	Semi-transparent			●									21-27	4-6	5	5	5	4	4	4	5	5	3	3	4	
YELLOW IV-990(F/C)	PY 12	Semi-opaque			●									21-27	4-6	5	5	5	4	4	4	5	5	3	3	4	
YELLOW IV-918(F/C)	PY 12	Light opaque			●									22-28	4-6	5	5	5	4	4	4	5	5	3	3	4	
YELLOW 2GS(P/C)	PY 14	Standard Shade				●			●	●				34-42	5-7	5	5	5	4	5	3	4	4	3	3	4	
YELLOW 3RT(P/C)	PY 83	Good Transparency & Light-tastness					●		○	●				30-34	6-8	5	5	5	5	5	4	4	7	6	5	5	
RED 2BY(P/C)	PR 48:1	Bright Color					●		○	●				30-34	6-8	4	3	4	4	4	4	4	4	6	4	3	5
CARMINE HF-S(F/C)	PR 57:1	Standard Shade			●									25-28	7-9	3	2	3	4	4	3	3	5	4	3	5	
CARMINE HF-TTS(F/C)	PR 57:1	Transparent			●									25-28	7-9	3	2	3	4	4	3	3	5	4	3	5	
CARMINE 10BK-TY(F/C)	PR 57:1	Transparent			●									25-30	7-9	3	2	3	4	4	3	3	5	4	3	5	
CARMINE 10BK-Y(F/C)	PR 57:1	Standard Rubine Color Shade			●									25-28	7-9	3	2	3	4	4	3	3	5	4	3	5	
CARMINE 10BK-TU(F/C)	PR 57:1	Blue Shade, Transparent			●									25-28	7-9	3	2	3	4	4	3	3	5	4	3	5	
RED FGR(P/C)	PR 112	Blue Shade, High strength				●			○	●				30-34	6-8	4	3	4	4	4	4	4	6	4	3	5	
PINK 122(P/C)	PR 122	Blue Shade				●			○	●				30-34	6-8	5	4	5	3	3	2	1	7	5	2	3	
BLUE B(P/C)	PB 15:0	Red Shade				●			○	●				30-34	6-8	5	5	5	5	5	2	3	8	8	4	5	

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