



Sales Range

For offset ink, UV curing ink, water-based ink, solvent-based ink, screen printing ink, inkjet ink, glass ink and ceramic ink applications.

Hangzhou Epsilon Chemical Co., Ltd.

Tel.: +86-571-82270817

Fax: +86-571-82660715

info@epsilonpigments.com

<http://www.epsilonpigments.com>

Organic pigments, inorganic pigments, pigment dispersions, fluorescent pigments and solvent dyes from EPSILON

Inks are colorants for printing, a sticky fluid substance dispersed evenly in binders by colorant particles, while pigments and dyes are colorant for inks. Hence pigments and dyes will influence the performance of printing inks. Organic pigments' varieties, colors and good performance make them the most important colorants in printing inks, the colorants for inks must be the right color, good dispersibility and lightfastness, as well as the suitable transparency etc. Distinguished by format, there are relief printing, offset printing which includes cold-set ink, hot-set ink, and sheet feed ink, gravure printing, flexo / flexographic printing, screen printing, inkjet printing, UV curing inks etc.; paper printing, metal / tin printing, plastic printing and cloth printing are based on printed materials,; newspaper inks, book inks, packing inks, building inks, and brand inks are for different using. Classified by solvents of printing inks, there are water-based inks, solvent based inks including surface printing inks: PA inks, NC inks, reverse printing inks: CLPP inks, PU inks, toluene inks and alcohol soluble inks. Water based ink is widely used in corrugated cartons, color coated paper such as packaging paper of luxury products, tea, cigarette/ tobacco box and liquor products, cosmetic, consumer electronics packaging paper, multi walled bags, paper bags etc. printing on kraft and white liners etc., Screen printing ink includes solvent borne screen printing ink with thermoplastic polyurethane resin, polyester resin, acrylic polyol resin, and polycarbonate diol resin, water borne screen printing ink, and UV curing screen printing ink for home appliance, textile printing, ceramic, glass, wall tile, floor tile, advertisement, packaging of packaging box, packaging bottle, cigarette packaging etc. applied in paper printing such as advertisement, art printing, packaging printing, building printing, plastic printing, wood products printing, metal products printing, glass and ceramic printing, label printing, PCB printing, textile printing, leather products printing. Water based screen printing ink is printed on shoe material, clothing, handicraft, handbag and packaging products industry applied in high quality polyurethane material, TPU material, PU /leather material, EVA material, rubber material etc. Besides, there are PET ink, leather UV ink, EVA screen ink, silica gel screen printing ink, TPU ink / polyurethane screen-printing ink. UV screen printing ink is widely used in soft plastic, film, flexible pipe, rigid PET bottle /container / plate, glass products such as bottle, container etc., packaging decoration, the printing of front panels/ membrane switches, overlays, high-quality flat key pads, as well as other operational control panels, cards, illuminated signs, beverage dispensers, front panels, automotive parts, glass and ceramics, plastic bottles, cosmetic packaging and so on. Solvent based screen-printing ink is suitable for PC/PET film, treated PP/PE plastic, glass, metal, leather goods, luggage and coated fabric, glass printing. The environment friendly inks are water-based inks, UV curing inks, water-based UV curing inks and some alcohol soluble inks. On the other hand, some of water-based inks require steam resistance, stable storing and no swelling. Metal decorating ink is printed on iron sheet/tinplate, steel plate or aluminum sheet, so it should be nice bound/adhesion to metal sheets, high resistance to steam, baking and solvents, as well as good lightfastness and easy processing. Tin printing ink is widely used in food packing, drinking packing, beverage cans, thermos shell, toys and cosmetic boxes etc. Besides this range, Epsilon's products also cover paints and coatings, plastic, masterbatch, rubber, textile printing, building material, paper, detergent, textile industries, as well as other fields.

The symbols mean:

- = main field application
- ▲ = limited field application
- = not recommended application

Colorants' Page

Solvent Based Inks: P₃-P₅

Water Based Inks: P₅-P₈

Offset Inks and UV curing inks:

Inkjet Ink, Glass Ink and Ceramic Ink:

1. Solvent Based Ink

Solvent Based Inks include ester or benzene soluble CLPP inks, alcohol or ester or phenyl-ketone soluble PU inks, alcohol benzene soluble PA inks, NC inks, Toluene inks. Organic pigments and inorganic pigments used for surface printing inks of solvent based inks require right shade or undertone, high transparency or opaque, low viscosity, high gloss, good flow, good dispersibility, as well as high tinting strength such as packing inks – PP/PE bags, cigarette packaging and tipping paper etc. While for reverse printing inks, i.e. PU inks, pigments should be non-migration. These pigments can also be used for metal decoration inks (TRN inks or tin printing inks). Few inorganic pigments work well in solvent based inks, because their opaque and lack of high gloss and good flow, dispersibility viscosity is not as good as organic pigments.

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	NC / PA	CL-PP	PU ink
Pigment Yellow 1	11680	ECY00101	2512-29-0	▲	▲	▲
Pigment Yellow 3	11710	ECY00301	6486-23-3	▲	▲	▲
Pigment Yellow 12	21090	ECY01201	6358-85-6	■	■	■
Pigment Yellow 12	21090	ECY01203	6358-85-6	■	■	■
Pigment Yellow 12	21090	ECY01204	6358-85-6	▲	▲	▲
Pigment Yellow 13	21100	ECY01301	5102-83-0	▲	▲	▲
Pigment Yellow 13	21100	ECY01301UV	5102-83-0	■	○	○
Pigment Yellow 13	21100	ECY01303	5102-83-0	■	■	■
Pigment Yellow 13	21100	ECY01306	5102-83-0	■	■	○
Pigment Yellow 14	21095	ECY01401	5468-75-7	■	■	■
Pigment Yellow 14	21095	ECY01403	5468-75-7	■	■	■
Pigment Yellow 17	21105	ECY01701	4531-49-1	■	■	■
Pigment Yellow 74	11741	ECY07401	6358-31-2	■	■	■
Pigment Yellow 74	11741	ECY07404	6358-31-2	■	■	■
Pigment Yellow 74	11741	ECY07405	6358-31-2	■	■	■
Pigment Yellow 81	21127	ECY08101	22094-93-5	■	■	■
Pigment Yellow 83	21108	ECY08302	5567-15-7	▲	○	○
Pigment Yellow 83	21108	ECY08303	5567-15-7	■	■	■
Pigment Yellow 95	20034	ECY09510	5280-80-8	■	■	■
Pigment Yellow 97	11767	ECY09701	12225-18-2	■	■	■
Pigment Yellow 110	56280	ECY11004	5590-18-1	■	■	■

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	NC / PA	CL-PP	PU ink
Pigment Yellow 110	56280	ECY11005	5590-18-1	■	■	■
Pigment Yellow 128	20037	ECY12801	79953-85-8	■	■	■
Pigment Yellow 138	56300	ECY13804	30125-47-4	■	■	■
Pigment Yellow 138	56300	ECY13805	30125-47-4	■	■	■
Pigment Yellow 139	56298	ECY13904	36888-99-0	■	■	■
Pigment Yellow 139	56298	ECY13905	36888-99-0	■	■	■
Pigment Yellow 150	12764	ECY15004	25157-64-6	■	■	■
Pigment Yellow 151	13980	ECY15101	31837-42-0	■	■	■
Pigment Yellow 154	11781	ECY15401	68134-22-5	■	■	■
Pigment Yellow 155	200310	ECY15501	68516-73-4	■	■	■
Pigment Yellow 180	21290	ECY18001	77804-81-0	■	■	■
Pigment Yellow 180	21290	ECY18010	77804-81-0	■	■	■
Pigment Yellow 181	11777	ECY18110	74441-05-7	■	■	■
Pigment Yellow 185	56290	ECY18501	76199-85-4	■	■	■
Pigment Orange 5	12075	ECO00501	3468-63-1	■	■	■
Pigment Orange 13	21110	ECO01303	3520-72-7	■	■	■
Pigment Orange 16	21160	ECO01601	6505-28-8	■	■	■
Pigment Orange 34	21115	ECO03404	15793-73-4	■	■	■
Pigment Orange 34	21115	ECO03405	15793-73-4	■	■	■
Pigment Orange 36	11780	ECO03601	12236-62-3	■	■	■
Pigment Orange 38	12367	ECO03801	12236-64-5	■	■	■

Pigment Orange 43	71105	ECO04301	4424-06-0	■	■	■
Pigment Orange 62	11775	ECO06201	62846-56-7	■	■	■
Pigment Orange 64	12760	ECO06401	72102-84-2	■	■	■
Pigment Orange 71	561200	ECO07101	84632-50-8	■	■	■
Pigment Orange 73	561170	ECO07301	84632-59-7	■	■	■
Pigment Red 2	12310	ECR00201	6041-94-7	○	○	▲
Pigment Red 4	12085	ECR00401	2814-77-9	○	○	▲
Pigment Red 8	12335	ECR00801	6410-30-6	▲	○	○
Pigment Red 22	12315	ECR02201	6448-95-9	▲	▲	▲
Pigment Red 48:1	15865:1	ECR04801S	7585-41-3	■	■	■
Pigment Red 48:1	15865:1	ECR04801	7585-41-3	▲	▲	▲
Pigment Red 48:2	15865:2	ECR04802	7023-61-2	▲	▲	▲
Pigment Red 48:2	15865:2	ECR04802S	7023-61-2	■	■	■
Pigment Red 48:3	15865:3	ECR04803	15782-05-5	▲	▲	▲
Pigment Red 48:3	15865:3	ECR04803S	15782-05-5	■	■	■
Pigment Red 48:4	15865:4	ECR04804	5280-66-0	▲	▲	▲
Pigment Red 52:1	15860:1	ECR05201	17852-99-2	▲	▲	▲
Pigment Red 53:1	15585:1	ECR05301S	5160-02-1	■	■	■
Pigment Red 57:1	15850:1	ECR05701	5281-04-9	○	○	▲
Pigment Red 57:1	15850:1	ECR05701W	5281-04-9	■	○	○
Pigment Red 57:1	15850:1	ECR05701S	5281-04-9	■	■	■
Pigment Red 58:1	15825:1	ECR05801	76613-71-3	○	○	▲
Pigment Red 81	45160	ECR08101T	12224-98-5	■	■	■
Pigment Red 81	45160	ECR08101L	12224-98-5	■	■	■
Pigment Red 112	12370	ECR11201	6535-46-2	▲	▲	▲
Pigment Red 122	73915	ECR12208	980-26-7	■	■	■
Pigment Red 122	73915	ECR12209	980-26-7	■	■	■
Pigment Red 123	71145	ECR12301	24108-89-2	■	■	■
Pigment Red 144	20735	ECR14401	5280-78-4	■	■	■
Pigment Red 146	12485	ECR14602	5280-68-2	■	■	■
Pigment Red 146	12485	ECR14603	5280-68-2	■	■	■

Pigment Red 149	71137	ECR14901	4948-15-6	■	■	■
Pigment Red 166	20730	ECR16601	3905-19-9	■	■	■
Pigment Red 168	59300	ECR16801	4378-61-4	■	■	■
Pigment Red 169	45160:2	ECR16901	12237-63-7	■	■	■
Pigment Red 170	12475	ECR17002	2786-76-7	■	■	■
Pigment Red 170	12475	ECR17003	2786-76-7	■	■	■
Pigment Red 170	12475	ECR17005	2786-76-7	■	■	■
Pigment Red 170	12475	ECR17005P	2786-76-7	▲	○	○
Pigment Red 176	12515	ECR17601	12225-06-8	■	■	■
Pigment Red 177	65300	ECR17701	4051-63-2	■	■	■
Pigment Red 179	71130	ECR17901	5521-31-3	■	■	■
Pigment Red 185	12516	ECR18501	51920-12-8	■	■	■
Pigment Red 190	71140	ECR19001	6424-77-7	■	■	■
Pigment Red 202	73907	ECR20201	3089-17-6	■	■	■
Pigment Red 208	12514	ECR20801	31778-10-6	■	■	■
Pigment Red 210	12477	ECR21001	61932-63-6	■	■	■
Pigment Red 214	200660	ECR21401	4068-31-3	■	■	■
Pigment Red 242	20067	ECR24201	52238-92-3	■	■	■
Pigment Red 254	56110	ECR25408	84632-65-5	■	■	■
Pigment Red 254	56110	ECR25409	84632-65-5	■	■	■
Pigment Red 255	561050	ECR25501	54660-00-3	■	■	■
Pigment Red 264	561300	ECR26405	88949-33-1	■	■	■
Pigment Red 266	12474	ECR26601	52238-92-3	■	■	■
Pigment Red 268	12316	ECR26801	16403-84-2	■	■	■
Pigment Red 272	561150	ECR27201	350249-32-0	■	■	■
Pigment Violet 1	45170:2	ECV00101T	1326-03-0	■	■	■
Pigment Violet 1	45170:2	ECV00101L	1326-03-0	■	■	■
Pigment Violet 2	45175:1	ECV00201	1326-04-1	■	■	■
Pigment Violet 3	42535	ECV00301L	1325-82-2	■	■	■
Pigment Violet 3	42535	ECV00301T	1325-82-2	■	■	■
Pigment Violet 3	42535	ECV00301TS	1325-82-2	■	■	■

Pigment Violet 3	42535	ECV00301TLC	1325-82-2	■	■	■
Pigment Violet 19	73900	ECV01908	1047-16-1	■	■	■
Pigment Violet 19	73900	ECV01909	1047-16-1	■	■	■
Pigment Violet 23	51319	ECV02306K	215247-95-3	■	■	■
Pigment Violet 23	51319	ECV02308K	215247-95-3	■	■	■
Pigment Violet 27	42535:3	ECV02701	12237-62-6	■	■	■
Pigment Violet 29	71129	ECV02901	81-33-4	■	■	■
Pigment Blue 1	42595:2	ECB00101L	1325-87-7	■	■	■
Pigment Blue 1	42595:2	ECB00101T	1325-87-7	■	■	■
Pigment Blue 15:0	74160	ECB01500	147-14-8	■	■	■
Pigment Blue 15:1	74160	ECB01501	12239-87-1	■	■	■
Pigment Blue 15:2	74160	ECB01502	12239-89-1	■	■	■
Pigment Blue 15:3	74160	ECB01503S	147-14-8	■	■	■
Pigment Blue 15:4	74160	ECB01504S	147-14-8	■	■	■

Pigment Blue 15:6	74160	ECB01506	147-14-8	■	■	■
Pigment Blue 60	69800	ECB06001	81-77-6	■	■	■
Pigment Blue 60	69800	ECB06010	81-77-6	■	■	■
Pigment Blue 62	52765:1	ECB06201	82338-76-9	▲	▲	▲
Pigment Green 7	74260	ECG00701	1328-53-6	▲	▲	▲
Pigment Green 7	74260	ECG00703	1328-53-6	■	■	■
Pigment Green 36	74265	ECG03601	14302-13-7	■	■	■
Pigment Brown 25	12510	ECBR02501	6992-11-6	■	■	■
Carbon Black	77266	EB404	1333-86-4	■	■	■
Carbon Black	77266	EB327	1333-86-4	■	■	■
Titanium Dioxide	77891	TIDR803	13463-67-7	■	■	■
Titanium Dioxide	77891	TIDR809	13463-67-7	■	■	■
Titanium Dioxide	77891	TIDR715	13463-67-7	■	■	■
Milori/Prussian Blue	77510	LA09-03	25869-00-5	■	■	■

2. Water Based Ink

Pigments and dyes used in water-based inks also require the right shade / undertone, transparent or opaque according to the printed materials, low viscosity, good flow and high gloss, such as printing on kraft and white liners - corrugated cartons, multi walled bags, paper bags etc., opaque preferred for brown kraft liner, transparent preferred for lapping in colors processing. According to printing format, there are gravure printing, flexo / flexographic printing, screen printing, UV curing printing. These are the main application of waterborne ink: 1) For plastic flexible packaging printing can be divided into polyurethane series and acrylic acid series. This water-based ink products are widely used for the continuous gravure and flexographic printing of the substrates of plastic films, including polyethylene film (PE), gas-permeable film, polypropylene film (BOPP, OPP), polyester film (PET), thermal shrinkage film (PVC, OPS), nylon film (PA) and biodegradable film (PLA), as well as copy paper and aluminum foil. The application fields of the product mainly include plastic bag printing, sanitary product flexible packaging printing, and food flexible packaging printing. 2) Widely used in all kinds of flexographic printing machines for continuous printing of cardboard. The applications include the shoes packaging cartons, electronic products packaging cartons, ceramics packaging cartons, courier services cartons, fruits and vegetables packaging cartons, beer and beverage packaging cartons, cigarette packaging, mobile phone and electronic box, cosmetics packaging box, jewelry box, watch box, high end wine box packaging paper, packaging of electrical box, preprinted box packaging, food paper bag packaging, plastic packaging for beverages / snacks, heat shrinkable plastic packaging, plastic packaging bag, biodegradable bag, paper bag packaging and other paper carton packaging. 3) For Flexo / flexographic Printing, woven bag printing ink, food paper packaging printing ink, single PE coated board printing ink, double PE coated board printing ink, non-woven fabric printing ink, label printing ink, napkin printing ink, paper straw printing ink. 4) Some other waterborne ink, such as water based PVC ink, water based shoe material ink, water based wood ink, water based

grainy paper ink, water based PU /leather ink, water based EVA ink, water based TPU ink, water based reflective ink, water based printing cloth ink, water based foaming ink, water based nylon ink, water based glowing ink, water based plastic ink for PS, PP, PA, ABS, PC, PMMA, PET, PBT etc. for shoe material, clothing, handicraft, handbag and packaging products, leather, fabric, cotton, waterproof nylon, nylon, PU leather, corium, TPU, wood furniture, wood packaging etc. Some of these products can be also used in metal decoration inks (TRN inks or tin printing inks). These pigments include organic pigment, carbon black pigment, titanium dioxide, milori / prussian blue, transparent iron oxide, fluorescent pigment, pigment dispersion /paste.

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Water Based Ink
Pigment Yellow 1	11680	ECY00101	2512-29-0	■
Pigment Yellow 3	11710	ECY00301	6486-23-3	■
Pigment Yellow 12	21090	ECY01201	6358-85-6	■
Pigment Yellow 12	21090	ECY01204	6358-85-6	■
Pigment Yellow 12	21090	ECY01205	6358-85-6	■
Pigment Yellow 13	21100	ECY01301	5102-83-0	■
Pigment Yellow 13	21100	ECY01302	5102-83-0	■
Pigment Yellow 14	21095	ECY01401	5468-75-7	■
Pigment Yellow 14	21095	ECY01402	5468-75-7	■
Pigment Yellow 17	21105	ECY01701	4531-49-1	■
Pigment Yellow 55	21096	ECY05501	6358-37-8	■
Pigment Yellow 65	11740	ECY06502	6528-34-3	■
Pigment Yellow 74	11741	ECY07401	6358-31-2	■
Pigment Yellow 74	11741	ECY07404	6358-31-2	■
Pigment Yellow 74	11741	ECY07405	6358-31-2	■
Pigment Yellow 81	21127	ECY08101	22094-93-5	■
Pigment Yellow 83	21108	ECY0830710	5567-15-7	■
Pigment Yellow 83	21108	ECY08302	5567-15-7	■
Pigment Yellow 93	20710	ECY09310	5580-57-4	▲
Pigment Yellow 95	20034	ECY09510	5280-80-8	■
Pigment Yellow 97	11767	ECY09701	12225-18-2	■
Pigment Yellow 110	56280	ECY11004	5590-18-1	■

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Water Based Ink
Pigment Yellow 110	56280	ECY11005	5590-18-1	■
Pigment Yellow 128	20037	ECY12801	79953-85-8	■
Pigment Yellow 138	56300	ECY13804	30125-47-4	■
Pigment Yellow 138	56300	ECY13805	30125-47-4	■
Pigment Yellow 139	56298	ECY13904	36888-99-0	■
Pigment Yellow 139	56298	ECY13905	36888-99-0	■
Pigment Yellow 150	12764	ECY15004	25157-64-6	■
Pigment Yellow 151	13980	ECY15101	31837-42-0	■
Pigment Yellow 154	11781	ECY15401	68134-22-5	■
Pigment Yellow 155	200310	ECY15501	68516-73-4	■
Pigment Yellow 180	21290	ECY18001	77804-81-0	■
Pigment Yellow 180	21290	ECY18010	77804-81-0	■
Pigment Yellow 181	11777	ECY18110	74441-05-7	■
Pigment Yellow 185	56290	ECY18501	76199-85-4	■
Pigment Orange 5	12075	ECO00501	3468-63-1	■
Pigment Orange 13	21110	ECO01301	3520-72-7	■
Pigment Orange 16	21160	ECO01601	6505-28-8	■
Pigment Orange 34	21115	ECO03404	15793-73-4	■
Pigment Orange 34	21115	ECO03405	15793-73-4	■
Pigment Orange 36	11780	ECO03601	12236-62-3	■
Pigment Orange 38	12367	ECO03801	12236-64-5	■
Pigment Orange 43	71105	ECO04301	4424-06-0	■

Pigment Orange 62	11775	ECO06201	62846-56-7	■
Pigment Orange 64	12760	ECO06401	72102-84-2	■
Pigment Orange 71	561200	ECO07101	84632-50-8	■
Pigment Orange 73	561170	ECO07301	84632-59-7	■
Pigment Red 2	12310	ECR00201	6041-94-7	■
Pigment Red 3	12120	ECR00301	2425-85-6	■
Pigment Red 4	12085	ECR00401	2814-77-9	■
Pigment Red 8	12335	ECR00801	6410-30-6	■
Pigment Red 21	12300	ECR02101	6410-26-0	■
Pigment Red 22	12315	ECR02201	6448-95-9	■
Pigment Red 48:1	15865:1	ECR04801	7585-41-3	■
Pigment Red 48:1	15865:1	ECR04802	7585-41-3	■
Pigment Red 48:2	15865:2	ECR04802	7023-61-2	■
Pigment Red 48:3	15865:3	ECR04803	15782-05-5	■
Pigment Red 48:3	15865:3	ECR04803W	15782-05-5	■
Pigment Red 48:4	15865:4	ECR04804	5280-66-0	■
Pigment Red 49:1	15630:1	ECR04901	1103-38-4	■
Pigment Red 49:2	15630:2	ECR04902	1103-39-5	■
Pigment Red 53:1	15585:1	ECR05301	5160-02-1	■
Pigment Red 53:1	15585:1	ECR05301W	5160-02-1	■
Pigment Red 57:1	15850:1	ECR05701	5281-04-9	■
Pigment Red 57:1	15850:1	ECR05701W	5281-04-9	■
Pigment Red 58:1	15825:1	ECR05801	76613-71-3	■
Pigment Red 81	45160	ECR08101T	12224-98-5	■
Pigment Red 81	45160	ECR08101L	12224-98-5	■
Pigment Red 112	12370	ECR11201	6535-46-2	■
Pigment Red 122	73915	ECR12208	980-26-7	■
Pigment Red 122	73915	ECR12209	980-26-7	■
Pigment Red 123	71145	ECR12301	24108-89-2	■
Pigment Red 144	20735	ECR14401	5280-78-4	■
Pigment Red 146	12485	ECR14602	5280-68-2	■

Pigment Red 149	71137	ECR14901	4948-15-6	■
Pigment Red 166	20730	ECR16601	3905-19-9	■
Pigment Red 168	59300	ECR16801	4378-61-4	■
Pigment Red 170	12475	ECR17002	2786-76-7	■
Pigment Red 170	12475	ECR17003	2786-76-7	■
Pigment Red 170	12475	ECR17005	2786-76-7	■
Pigment Red 170	12475	ECR17005P	2786-76-7	■
Pigment Red 170	12475	ECR17005W	2786-76-7	■
Pigment Red 176	12515	ECR17601	12225-06-8	■
Pigment Red 177	65300	ECR17701	4051-63-2	■
Pigment Red 179	71130	ECR17901	5521-31-3	■
Pigment Red 184	12487	ECR18401	99402-80-9	■
Pigment Red 185	12516	ECR18501	51920-12-8	■
Pigment Red 190	71140	ECR19001	6424-77-7	■
Pigment Red 202	73907	ECR20201	3089-17-6	■
Pigment Red 208	12514	ECR20801	31778-10-6	■
Pigment Red 210	12477	ECR21001	61932-63-6	■
Pigment Red 214	200660	ECR21401	4068-31-3	■
Pigment Red 242	20067	ECR24201	52238-92-3	■
Pigment Red 254	56110	ECR25408	84632-65-5	■
Pigment Red 254	56110	ECR25409	84632-65-5	■
Pigment Red 255	561050	ECR25501	54660-00-3	■
Pigment Red 264	561300	ECR26405	88949-33-1	■
Pigment Red 266	12474	ECR26601	52238-92-3	■
Pigment Red 268	12316	ECR26801	16403-84-2	■
Pigment Red 269	12466	ECR26901	67990-05-0	■
Pigment Red 272	561150	ECR27201	350249-32-0	■
Pigment Violet 1	45170:2	ECV00101L	1326-03-0	■
Pigment Violet 1	45170:2	ECV00101T	1326-03-0	■
Pigment Violet 2	45175:1	ECV00201	1326-04-1	■
Pigment Violet 3	42535	ECV00301T	1325-82-2	■

Pigment Violet 3	42535	ECV00301L	1325-82-2	■
Pigment Violet 3	42535	ECV00301TLC	1325-82-2	■
Pigment Violet 3	42535	ECV00301TW	1325-82-2	■
Pigment Violet 19	73900	ECV01908	1047-16-1	■
Pigment Violet 19	73900	ECV01909	1047-16-1	■
Pigment Violet 23	51319	ECV02306M	215247-95-3	▲
Pigment Violet 23	51319	ECV02308M	215247-95-3	■
Pigment Violet 23	51319	ECV02306K	215247-95-3	■
Pigment Violet 23	51319	ECV02308K	215247-95-3	■
Pigment Violet 27	42535:3	ECV02701	12237-62-6	■
Pigment Violet 29	71129	ECV02901	81-33-4	■
Pigment Blue 1	42595:2	ECB00101L	1325-87-7	■
Pigment Blue 1	42595:2	ECB00101T	1325-87-7	■
Pigment Blue 10	44040:2	ECB01001	1325-93-3	■
Pigment Blue 15:0	74160	ECB01500	147-14-8	■
Pigment Blue 15:0	74160	ECB01500W	147-14-8	■
Pigment Blue 15:1	74160	ECB01501	12239-87-1	■
Pigment Blue 15:1	74160	ECB01501W	12239-87-1	■
Pigment Blue 15:2	74160	ECB01502	12239-89-1	■
Pigment Blue 15:3	74160	ECB01503W	147-14-8	■
Pigment Blue 15:4	74160	ECB01504	147-14-8	■
Pigment Blue 15:6	74160	ECB01506	147-14-8	■
Pigment Blue 60	69800	ECB06001	81-77-6	■
Pigment Blue 60	69800	ECB06010	81-77-6	■
Pigment Blue 62	52765:1	ECB06201	82338-76-9	■
Pigment Blue 79	761300	ECB07901	14154-42-8	■
Pigment Green 7	74260	ECG00701	1328-53-6	■
Pigment Green 7	74260	ECG00702	1328-53-6	■
Pigment Green 36	74265	ECG03601	14302-13-7	■
Pigment Brown 25	12510	ECBR02509	6992-11-6	■
Carbon Black	77266	EB103	1333-86-4	■

Carbon Black	77266	EB105	1333-86-4	■
Carbon Black	77266	EB104	1333-86-4	■
Carbon Black	77266	EB404	1333-86-4	■
Titanium Dioxide	77891	TIDR809	13463-67-7	■
Titanium Dioxide	77891	TIDR715	13463-67-7	■
Milori /Prussian Blue	77510	LA09-05	25869-00-5	■
Milori /Prussian Blue	77510	LA09-06	25869-00-5	■
Acid Black 2 /Nigrosine Black	50420	---	8005-03-6	■
Solvent Green 7	59040	---	6358-69-6	■
Fluorescent Pink	Mixture	EV11	Mixture	■
Fluorescent Peach Red	Mixture	EV12	Mixture	■
Fluorescent Red	Mixture	EV13	Mixture	■
Fluorescent Orange Red	Mixture	EV14	Mixture	■
Fluorescent Orange Yellow	Mixture	EV15	Mixture	■
Fluorescent Golden Yellow	Mixture	EV16	Mixture	■
Fluorescent Lemon Yellow	Mixture	EV17	Mixture	■
Fluorescent Green	Mixture	EV18	Mixture	■
Fluorescent Blue	Mixture	EV19	Mixture	■
Fluorescent Violet	Mixture	EV20	Mixture	■
Fluorescent Magenta	Mixture	EV21	Mixture	■
Fluorescent Rose	Mixture	EV21Y	Mixture	■
Fluorescent White	Mixture	EV23	Mixture	■
Pigment Yellow 3	11710	ECDY00301	6486-23-3	■
Pigment Yellow 12	21090	ECDY01201	6358-85-6	■
Pigment Yellow 74	11741	ECDY07401	6358-31-2	■
Pigment Yellow 83	21108	ECDY08370	5567-15-7	■
Pigment Orange 13	21110	ECDO01301	3520-72-7	
Pigment Red 2	12310	ECDR00201	6041-94-7	■
Pigment Red 8	12335	ECDR00801	6410-30-6	■
Pigment Red 112	12370	ECDR11201	6535-46-2	■
Pigment Red 122	73915	ECDR12208	980-26-7	■

Pigment Red 170	12475	ECDR17001	2786-76-7	■
Pigment Blue 15:0	74160	ECDB01500	147-14-8	■
Pigment Blue 15:1	74160	ECDB01501	12239-87-1	■
Pigment Blue 15:3	74160	ECDB01503	147-14-8	■
Pigment Green 7	74260	ECDG00701	1328-53-6	■
Pigment Violet 23	51319	ECDV02301	215247-95-3	■

Titanium Dioxide Dispersion	77891	ECDW00601	13463-67-7	■
Carbon Black Dispersion	77266	ECDBLK00701	1333-86-4	■
Transparent Iron Oxide	77491	ECDY10101T	1309-37-1	■
Transparent Iron Oxide	77492	ECDY04201T	51274-00-1	■
Transparent Iron Oxide	Mixture	ECDBRT	Mixture	■
Carbon Black Dispersion	77266	ECDBLKT	1333-86-4	■

3. Offset Ink and UV Curing Ink

Offset inks primarily include web offset heat-set inks, sheet-fed offset inks and web offset coldest inks. Web offset heat-set inks are mainly used for printing on coated paper for magazines. Sheet-fed inks are used for printing both commercial and packaging, and web offset cold-set inks are used for printing newspapers. UV curing ink is one of environment friendly inks, it includes UV offset ink, UV gravure ink, UV letterpress ink, UV flexographic ink, UV screen ink, UV inkjet ink etc. by printing ways. UV curing inks are dried by ultraviolet light, hence pigments' shade will influence the drying speed of UV inks. Based on printed materials, there are PU /leather UV ink, UV plastic ink, UV PET ink, UV glass ink, UV ceramic ink etc.

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Offset Ink	UV Curing Ink
Pigment Yellow 1	11680	ECY00101	2512-29-0	■	■
Pigment Yellow 3	11710	ECY00301	6486-23-3	■	■
Pigment Yellow 12	21090	ECY01201	6358-85-6	■	▲
Pigment Yellow 12	21090	ECY01201GF	6358-85-6	■	■
Pigment Yellow 12	21090	ECY01205	6358-85-6	■	○
Pigment Yellow 13	21100	ECY01306	5102-83-0	■	○
Pigment Yellow 13	21100	ECY01301UV	5102-83-0	■	■
Pigment Yellow 14	21095	ECY01401	5468-75-7	■	■
Pigment Yellow 17	21105	ECY01701	4531-49-1	■	■

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Offset Ink	UV Curing Ink
Pigment Yellow 55	21096	ECY05501	6358-37-8	■	○
Pigment Yellow 74	11741	ECY07401	6358-31-2	■	■
Pigment Yellow 74	11741	ECY07404	6358-31-2	■	■
Pigment Yellow 74	11741	ECY07405	6358-31-2	■	■
Pigment Yellow 81	21127	ECY08101	22094-93-5	■	■
Pigment Yellow 83	21108	ECY0830710	5567-15-7	■	■
Pigment Yellow 97	11767	ECY09701	12225-18-2	■	○
Pigment Yellow 110	56280	ECY11004	5590-18-1	■	■
Pigment Yellow 110	56280	ECY11005	5590-18-1	■	■

Pigment Yellow 155	200310	ECY15501	68516-73-4	■	■
Pigment Yellow 180	21290	ECY18001	77804-81-0	■	■
Pigment Orange 5	12075	ECO00501	3468-63-1	■	○
Pigment Orange 13	21110	ECO01301	3520-72-7	■	■
Pigment Orange 16	21160	ECO01601	6505-28-8	■	■
Pigment Orange 34	21115	ECO03404	15793-73-4	■	■
Pigment Orange 34	21115	ECO03405	15793-73-4	■	■
Pigment Orange 64	12760	ECO06401	72102-84-2	■	■
Pigment Red 2	12310	ECR00201	6041-94-7	■	■
Pigment Red 3	12120	ECR00301	2425-85-6	■	○
Pigment Red 21	12300	ECR02101	6410-26-0	■	■
Pigment Red 22	12315	ECR02201	6448-95-9	■	■
Pigment Red 48:2	15865:2	ECR04802S	7023-61-2	■	■
Pigment Red 53:1	15585:1	ECR05301	5160-02-1	■	■
Pigment Red 57:1	15850:1	ECR05701	5281-04-9	■	■
Pigment Red 57:1	15850:1	ECR05701W	5281-04-9	■	○
Pigment Red 81	45160	ECR08101T	12224-98-5	■	■
Pigment Red 81	45160	ECR08101L	12224-98-5	■	■
Pigment Red 112	12370	ECR11201	6535-46-2	■	■
Pigment Red 122	73915	ECR12208	980-26-7	■	■
Pigment Red 122	73915	ECR12209	980-26-7	■	■
Pigment Red 166	20730	ECR16601	3905-19-9	■	■
Pigment Red 170	12475	ECR17002	2786-76-7	■	■
Pigment Red 170	12475	ECR17003	2786-76-7	■	■
Pigment Red 170	12475	ECR17005	2786-76-7	■	■
Pigment Red 176	12515	ECR17601	12225-06-8	■	■
Pigment Red 185	12516	ECR18501	51920-12-8	■	■
Pigment Red 242	20067	ECR24201	52238-92-3	■	■
Pigment Red 254	56110	ECR25408	84632-65-5	■	■
Pigment Red 254	56110	ECR25409	84632-65-5	■	■
Pigment Red 268	12316	ECR26801	16403-84-2	■	■

Pigment Violet 1	45170:2	ECV00101T	1326-03-0	■	■
Pigment Violet 1	45170:2	ECV00101L	1326-03-0	■	■
Pigment Violet 2	45175:1	ECV00201	1326-04-1	■	○
Pigment Violet 3	42535	ECV00301T	1325-82-2	■	■
Pigment Violet 3	42535	ECV00301L	1325-82-2	■	■
Pigment Violet 3	42535	ECV00301T	1325-82-2	■	○
Pigment Violet 19	73900	ECV01908	1047-16-1	■	■
Pigment Violet 19	73900	ECV01909	1047-16-1	■	■
Pigment Violet 23	51319	ECV02306K	215247-95-3	■	■
Pigment Violet 23	51319	ECV02308K	215247-95-3	■	■
Pigment Violet 27	42535:3	ECV02701	12237-62-6	■	○
Pigment Blue 1	42595:2	ECB00101L	1325-87-7	■	■
Pigment Blue 1	42595:2	ECB00101T	1325-87-7	■	■
Pigment Blue 10	44040:2	ECB01001	1325-93-3	■	○
Pigment Blue 15:0	74160	ECB01500	147-14-8	■	○
Pigment Blue 15:1	74160	ECB01501	12239-87-1	■	○
Pigment Blue 15:1	74160	ECB01501W	12239-87-1	■	○
Pigment Blue 15:2	74160	ECB01502	12239-89-1	■	○
Pigment Blue 15:3	74160	ECB01503	147-14-8	■	■
Pigment Blue 15:3	74160	ECB01503W	147-14-8	■	○
Pigment Blue 60	69800	ECB06001	81-77-6	■	■
Pigment Blue 62	52765:1	ECB06201	82338-76-9	■	■
Pigment Blue 79	761300	ECB07901	14154-42-8	■	○
Pigment Green 7	74260	ECG00701	1328-53-6	■	■
Pigment Green 7	74260	ECG00702	1328-53-6	■	○
Pigment Brown 25	12510	ECBR02501	6992-11-6	■	○
Carbon Black	77266	EB700	1333-86-4	■	■
Carbon Black	77266	EB327	1333-86-4	■	○
Carbon Black	77266	EB105	1333-86-4	■	○
Carbon Black	77266	EB104	1333-86-4	■	■
Carbon Black	77266	EB404	1333-86-4	■	○

Titanium Dioxide	77891	TIDR809	13463-67-7	■	○
Titanium Dioxide	77891	TIDR715	13463-67-7	■	○
Ultramarine Blue	77007	UMB906	57455-37-5	■	○

Ultramarine Blue	77007	UMB902	57455-37-5	■	○
Milori /Prussian Blue	77510	PBLA0902	25869-00-5	■	○
Milori /Prussian Blue	77510	PBLA0906	25869-00-5	■	○

4. Inkjet Ink, Glass Ink and Ceramic Ink

CIJ (continue ink jet) inks and DOD (drop on demand) inks are two different kinds of inkjet inks, inkjet CIJ inks are mainly used for printing products' identifier and stamp of foods, beverage, medicine and cosmetology which is mass directly operations. DOD inks' printing rapid is slower than CIJ inks, they are wide applied in wide printing, packaging' colorful icons, annunciator of shopping places, fabric and large-scale identification. Glass ink is mainly used in mobile glass cover, pad computer glass cover, lens, panel, and glass cover of navigator, as well as printing of general glass and tempering glass. Sorted by printing methods, there are screen printing ceramic ink, UV curing ceramic ink etc., they are printed on ceramics, pottery and porcelain. In the same time, Epsilon also offers colorants for digital ink, digital sublimation ink and heat transfer printing ink.

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Inkjet Ink	Glass Ink	Ceramic Ink
Pigment Yellow 150	12764	ECY15001H	25157-64-6	■	○	○
Pigment Yellow 180	21290	ECY18001	77804-81-0	■	○	○
Pigment Red 122	73915	ECR12201	980-26-7	■	○	○
Pigment Red 146	12485	ECR14601	5280-68-2	■	○	○
Pigment Red 254	56110	ECR25405	84632-65-5	■	○	○
Pigment Blue 15:3	74160	ECB01503	147-14-8	■	○	○
Solvent Black 27	---	---	12237-22-8	■	○	○
Solvent Black 29	---	---	61901-87-9	■	○	○
Transparent Iron Oxide	---	---	---	○	■	■
Pigment Yellow 37	77199	ECY03701	68859-25-6	○	■	■
Pigment Yellow 53	77788	MMOY05301	8007-18-9	○	■	■
Pigment Yellow 119	77496	MMOY11901	68187-51-9	○	■	■
Pigment Yellow 164	77899	MMOY16401	68412-38-4	○	■	■

Color Index / Product Name	Color Index No.	Epsilon Code	CAS No.	Inkjet Ink	Glass Ink	Ceramic Ink
Pigment Yellow 184	771740	MMOY18401	14059-33-7	○	■	■
Pigment Orange 20	77202	ECO02001	12656-57-4	○	■	■
Pigment Red 108	77202	ECR10801	12214-12-9	○	■	■
Pigment Brown 24	77310	MMOBR02401	68186-90-3	○	■	■
Pigment Brown 29	77500	MMOBR02901	12737-27-8	○	■	■
Pigment Brown 33	77503	MMOBR03301	68186-88-9	○	■	■
Pigment Blue 28	77346	MMOB02801	1345-16-0	○	■	■
Pigment Blue 36	77343	MMOB03601	---	○	■	■
Pigment Green 26	77344	MMOB02601	68187-49-5	○	■	■
Pigment Green 50	77377	MMOG05001	68186-85-6	○	■	■
Pigment Black 26	77494	MMOBLK02601	68186-94-7	○	■	■
Pigment Black 28	77428	MMOBLK02801	68186-91-4	○	■	■
Pigment Black 30		MMOBLK03001		○	■	■