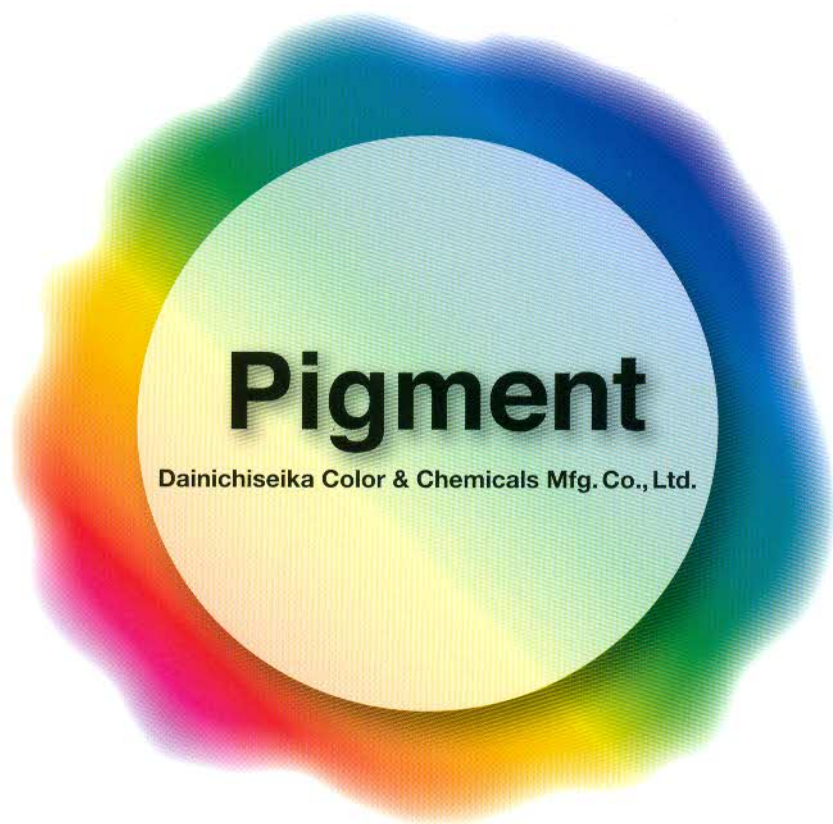




Dainichiseika

Dainichiseika Pigments Color Chart, Properties Table and Usage

The information given in this leaflet is based on our general experience and on the results of tests made in our laboratory.

However, due to a lot of factors which are beyond our knowledge and control in the actual applications of these pigments, we shall be entirely free from responsibility for any damages incurred by the information thereof, and the contents are subject to change without notice.

EXPLANATION OF DATA

■ Variations

Products shown in the column are also available.

Properties of them are similar to the respective head products.

■ Physical data

• Transparency

Hiding power is evaluated visually as described in JIS K5101-2004.

The following ranges are established as a guide for classifying our pigments.

O : Opaque

ST : Semi-transparent

T : Transparent

• Oil absorption

Oil absorption value is measured using boiled linseed oil by the method described in JIS 5101-2004.

■ Fastness properties

• Light fastness

Differences in colors (Full shade and tint shade) between the exposed and the corresponding unexposed controls were assessed according to the blue scale. (Class 8 : Superior to Class 1: Inferior)

• Resistance to acid (2% H_2SO_4), alkali (2% NaOH) aqueous solution

The pigment sample is suspended in each chemical solution.

After drying, the color change is evaluated in accordance with gray scale (*Remarks).

The detailed testing method follows JIS K5101-2004.

• Water resistance

The pigment sample is dispersed in water, heated and filtered. The resistance to water is evaluated based on the degree of coloration of the filtrate.

The evaluation shall be carried out in accordance with gray scale (*Remarks).

The detailed testing method follows JIS K5101-2004.

• Resistance to solvent

Solvent is added directly to the pigment to be extracted, and the resistance to solvent is evaluated according to the degree of coloration of the extract in accordance with (*Remarks).

The detailed testing method follows JIS K5101-2004.

(*Remarks)

Evaluation criteria for the absolute comparison method

Evaluation Result	Evaluation criteria
Class 5 No color change	Difference in color equivalent to Step 5 on the gray scale for assessing change in color
Class 4 Slight color change	Step 4 on the gray scale
Class 3 Moderate color change	Step 3 on the gray scale
Class 2 Considerable color change	Step 2 on the gray scale
Class 1 Extreme color change	Step 1 on the gray scale

■ Application

○ : Recommended

△ : Limited suitability

■ REACh (Registration, Evaluation, Authorization and Restriction of Chemicals in EU)

○ : Registered

△ : Pre-registered

— : Not scheduled to register

Color of pigments		Product name	Variations	Color index generic name	Physical Data		Fastness properties			Resistance to solvent and oil						Application										REACH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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					Transparency	Oil absorption(ml/100g)	Light fastness		Acid						Alkali	Water	Ethyl alcohol	Ethyl acetate	Methylethyl ketone	Toluene	Turpentine	Air drying paints	Water based paints	Stoving enamels		Paints		Printing Inks	
Full	Tint						Offset inks	Publication gravure inks		Packaging gravure inks	Flexographic inks	Water-based flexographic inks	PVC	PO												PS			
Full shade	Tint shade (1:10 TiO ₂)						Organic Pigment																						
		SEIKAFAST YELLOW 2050	2070	PY 1	O 36	7	5	5	5	5	3	2	2	2	4	○	○						○				○	○	
		SEIKAFAST YELLOW 10GH		PY 3	O 37	6	5	5	5	5	3	2	2	2	4	○	○	○					○					○	○
		SEIKAFAST YELLOW 2054K	2054C	PY 74	O 33	7	6	5	5	5	4	3	3	3	4	○												○	○
		SEIKAFAST YELLOW A-3		PY 167	O 40	7	6	5	3	5	4	3	3	3	4	○	○		○	○	○	○	○				○	—	
		SEIKAFAST YELLOW 2300	2300M	PY 12	ST 49	4	3	5	5	5	4	3	3	3	5			○				○						○	
		SEIKAFAST YELLOW 2600	2600S	PY 13	ST 40	7	5	4	4	5	5	4	4	3	5			○		○	○	○						○	
		SEIKAFAST YELLOW 2606	2607 2608	PY 13	ST 45	7	5	5	5	5	5	4	4	3	5			○										○	
		SEIKAFAST YELLOW 2200	2200M 2200S	PY 14	ST 41	5	4	5	5	5	5	4	4	3	5	○		○		○	○	○					○	○	
		SEIKAFAST YELLOW 2270	2270S	PY 14	ST 28	5	4	5	5	5	5	4	4	3	5					○	○							○	
		SEIKAFAST YELLOW NP 22D	AP22	PY 14	T 45	5	4	5	5	5	5	4	4	3	5					○	○							○	
		SEIKAFAST YELLOW 2400(B)	2400 (B) S	PY 17	T 45	6	5	5	5	5	5	3	3	3	5			○		○	○	○						○	
		SEIKAFAST YELLOW 2500	2500S 2520	PY 55	ST 53	5	4	5	5	5	5	4	4	3	5	○		○		○	○	○					○	○	
		SEIKAFAST YELLOW 2700(B)	2700(B) S 2700E	PY 83	ST 45	7	5	5	5	5	5	4	4	4	5	○		○		○	○	○	○	○	○			○	
		SEIKAFAST YELLOW 2720	2710	PY 83	ST 45	7	5	5	5	5	5	4	4	4	5	○	○		○		○	○		○				○	
		SEIKAFAST YELLOW 2770		PY 83	ST 45	7	5	5	5	5	5	4	4	4	5					○	○							○	
		SEIKAFAST YELLOW 2707S	2783	PY 83	ST 45	7	5	5	5	5	5	4	4	4	5					○	○							○	
		SEIKAFAST YELLOW AP-77	AP-77K 2700(H)	PY 83	T 55	7	5	5	5	5	5	4	4	4	5					○	○							○	
		SEIKAFAST YELLOW 2800		PY 152	ST 42	4	3	4	4	5	5	3	3	3	5	○		○						○			○	○	
		SEIKAFAST VIOLET FR		PV 50	ST 58	5	4	5	5	5	3	3	2	4	5			○		○								—	
		SEIKALIGHT BLUE C-718		PB 1	T 62	3	2	4	2	4	1	1	2	1	4			○										—	
		SEIKALIGHT ROSE R-40	ROSE 44	PR 81	T 60	3	2	4	2	4	1	1	1	1	4			○										△	
		SEIKALIGHT VIOLET B800		PV 3	T 50	3	2	4	3	3	2	2	2	3	4			○										△	
		SEIKALIGHT VIOLET 7805M		PV 3	ST 41	3	2	4	3	4	2	2	2	3	4			○					○					△	

Note : The color chart is expressed by offset printing process 4 colors.

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