

Cromalent Yellow S1

Chemical Nature: Monoazo Chromium complex

Physical Properties

Form	Powder
Colour	Yellow
Solubility in water	Insol.
Specific gravity (water=1)	1.20

Light Fastness

1-8 Blue Scale comparison	6-7
---------------------------	-----

Heat Fastness

10 min. 180°C (1-5 scale)	5
---------------------------	---

Chemical Fastness

Acid (1-5 scale)	5
Alkali (1-5 scale)	5

Table of solubilities

Methanol	450
Ethanol	300
Isopropanol	410
Isobutanol	420
n-Butanol	500
Ethylacetate	300
Toluene	500
Xylene	450
MEK	500
MIBK	500
Ethyl Cellosolve	500
Cyclo-Hexanone	500
PM (Propylene Glycol Methyl Ether)	430
DPM (Dipropylene Glycol Methyl Ether)	410
Acetone	140

APPLICATIONS

Wood Stains	A
Hot stamping	A
Natural or synthetic leather coatings	A
Soles of shoes coatings	A
Transparent coating for aluminium foil	A
Transparent coating for metallized film	A
Solvent based flexographic inks	A
Ink-jet inks	A

2,5%	RECIPE FOR ILLUSTRATION	1%
9	NC resine	9
21	Ethylacetate	21
10	Metoxipropanol	10
27,5	MEK	29
30	Ethanol	30
2,5	Dye	1
100		100

Legenda: A= suitable, B= applicable previous tests, C= unsuitable. Illustrations have been obtained by a 24 micron coater.

Fastness methods: Light: ISO blue scale (1-8) as comparison standard. / Heat: Automatic constant temperature dryer at 180°C for 10 minutes. / Acid: Immerse in 1% H₂SO₄ solution for 24 h. / Alkali: Immerse in 1% NaOH solution for 24h.

Solubilities: Figures given in the table represent the amount of dye in grams which may be dissolved in a litre of the indicated solvent. Test is conducted for each solvent by making a sequence of drawdowns with a 30 micron coater on aluminium foil at increasing values of solved dye. Drawdown must be glossy and transparent, with no opacity, while no bottom must be present in the container.

Other informations: The above informations are based on our actual knowledge and on the results of the tests in our lab, but they are given without guarantee. Tests before the industrial use of the product are recommended.