

Cromalent Black S5

Chemical Nature: Monoazo Chromium complex

Physical Properties

Form	Powder
Colour	Black
Solubility in water	Insol.
Specific gravity (water=1)	1.25

Light Fastness

1-8 Blue Scale comparison	6-7
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Heat Fastness

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

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

Table of solubilities

Methanol	20
Ethanol	20
Isopropanol	40
Isobutanol	20
n-Butanol	150
Ethylacetate	100
Toluene	50
Xylene	-
MEK	150
MIBK	400
Ethyl Cellosolve	400
Cyclo-Hexanone	480
PM (Propylene Glycol Methyl Ether)	340
DPM (Dipropylene Glycol Methyl Ether)	390
Acetone	130

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% H2SO 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.